

Safety Data Sheets

Fiches Signalétiques



UNITED

**SERVICES DE NETTOYAGE
SERVICES GROUP**

Azure



1 Chemical product and company identification / Identification du produit chimique et de l'entreprise

1.1. Product identifier

Product name: Azure
Product form: Liquid
Product code: 50201

1.1. Identificateur du produit

Nom du produit : Azure
État du produit : Liquide
Code du produit : 50201

1.2. Relevant identified uses of chemical product and uses advised against

Recommended use: Hard Surface Cleaner.
Restriction on use: For intended use only.

1.2. Utilisations pertinentes identifiées du produit chimique et utilisations non recommandées

Usage du produit : Nettoyant à surfaces dures.
Utilisation déconseillée : Pour usage destiné seulement.

1.3. Details of the supplier of the safety data sheet

Dustbane Products Ltd.
25 Pickering Pl.
Ottawa, Ontario K1G 5P4
T: 1-800-387-8226 F: 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.3. Détails du fournisseur de la fiche signalétique

Les Produits Dustbane Ltée
25 pl. Pickering
Ottawa, Ontario K1G 5P4
T : 1-800-387-8226 F : 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.4. Emergency telephone number

CANUTEC: 1-613-996-6666 (Collect)

1.4. Numéro de téléphone d'urgence

CANUTEC : 1-613-996-6666 (À frais virés)

Dilution information: 0.63% - 3.13%

Informations sur la dilution : 0,63 % - 3,13 %

2 Hazard(s) identification / Reconnaissance des dangers

2.1. Classification of the chemical product

General: None.

2.1. Classification du produit chimique

Générale : Aucun.

2.2. Label elements

Classification: Not classified.
Signal word: Not classified.
Hazard statements: Not classified.
Precautionary statements: P264: Wash exposed areas thoroughly after handling.
P501: Dispose of contents and container in accordance with local, regional and national regulations.

2.2. Éléments de l'étiquette

Classification : Non classé.
Mention d'avertissement : Non classé.
Mentions de danger : Non classé.
Conseils de prudence : P264 : Se laver les zones exposées soigneusement après manipulation.
P501 : Éliminer le contenu/réceptacle conformément à la réglementation locale/régionale/nationale.

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

En cas d'ingestion : rincer la bouche. NE PAS faire vomir. Appeler immédiatement un centre antipoison ou un médecin.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

En cas de contact avec la peau (ou les cheveux) : enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/se doucher. En cas d'irritation ou cutanée : consulter un médecin. Laver les vêtements contaminés avant de les réutiliser.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

En cas d'inhalation : transporter la victime à l'extérieur et garder la confortable pour respirer. Appeler un centre antipoison ou un médecin en cas de malaise.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists call a doctor/physician.

En cas de contact avec les yeux : rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Si l'irritation oculaire persiste, appeler un centre antipoison ou un médecin.

Other hazards not otherwise classified: None.

Danger(s) non classé(s) ailleurs : Aucun

Product AT USE DILUTION: Not a hazardous substance or mixture.

DILUTION DU PRODUIT : Ne constitue pas une substance ou un mélange dangereux.

Precautionary statements:

Prevention: Wash hands thoroughly after handling.
Response: Get medical advice/ attention if you feel unwell.
Storage: Store in accordance with local regulations.

Mises en garde :

Prévention : Se laver soigneusement les mains après la manipulation.
Réponse : Consultez un médecin si vous ne vous sentez pas bien.
Stockage : Stocker conformément aux réglementations locales.

3 Composition/information on ingredients // Composition/information sur les ingrédients

3.2. Mixture

Dangerous components:

3.2. Mélange

Composants dangereux :

Chemical name / Nom du produit chimique	CAS number / Numéro CAS	Quantity / Quantité (%)

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Il n'existe pas d'autres ingrédients présents qui, dans la connaissance actuelle du fournisseur et dans les concentrations applicables, soient classés comme dangereux pour la santé et doivent donc être signalés dans cette section.

Product AT USE DILUTION: No hazardous ingredients.

DILUTION DU PRODUIT : Aucun ingrédient dangereux..

4 First aid / Premiers soins

4.1. Description of first aid measures

General: Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.
Inhalation: Move person to fresh air and keep comfortable for breathing. Get medical attention.
Ingestion: Immediately call a doctor. Do not induce vomiting. Drink copious amounts of water and provide fresh air.
Skin: Remove immediately all contaminated clothing. Wash with soap and water and rinse thoroughly. Consult a doctor if skin redness and irritation persist.
Eyes: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so – continue rinsing.

4.1. Description des mesures de premiers soins

Générale : Enlever immédiatement les vêtements contaminés par le produit. Laver les vêtements contaminés avant de les réutiliser.
Inhalation : Transporter la victime à l'extérieur et garder la confortable pour respirer. Obtenir des soins médicaux.
Ingestion : Appeler immédiatement un médecin. Ne pas faire vomir. Buvez beaucoup d'eau et de l'air frais.
Contact avec la peau : Enlever immédiatement tous les vêtements contaminés. Laver à l'eau et au savon et bien rincer. Consulter un médecin si la rougeur de la peau et l'irritation persistent.
Contact avec les yeux : Rincer les yeux pendant plusieurs minutes sous l'eau courante. Enlever les lentilles de contact, si présent et facile à faire – continuer le rinçage.

4.2. Most important symptoms and effect, both acute and delayed

No specific effects or symptoms known.

4.2. Principaux symptômes et effets, tant aigus que différés

Aucun effet ou symptôme particulier connu.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

4.3. Indications sur les éventuels soins médicaux et traitements particuliers nécessaires

Traiter les symptômes.

Product AT USE DILUTION:

In case of eye contact: Rinse with plenty of water.
 In case of skin contact: Rinse with plenty of water.
 If swallowed: Rinse mouth. Get medical attention if symptoms occur.
 If inhaled: Get medical attention if symptoms occur.

DILUTION DU PRODUIT :

En cas de contact avec les yeux : Rincer avec beaucoup d'eau.
 En cas de contact avec la peau : Rincer avec beaucoup d'eau.
 En cas d'ingestion : Rincer la bouche. Consulter un médecin en cas de symptômes.
 En cas d'inhalation : Consulter un médecin en cas de symptômes.

5 Firefighting measures / Mesures de lutte contre l'incendie

5.1. Extinguishing media

Use extinguishing media appropriate for the surrounding fire. Water spray, fog, mist, sand, etc.

5.1. Moyens d'extinctions

Utiliser n'importe quel moyen d'extinction adéquat pour le feu environnant. Eau pulvérisée, brouillard, brume, sable, etc.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Unknown.
 Exposure hazards: In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx).

5.2. Dangers particuliers résultant de la substance ou du mélange

Risque d'incendie : Non connu.
 Dangers dus à l'exposition : En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation de l'eau : hydrocarbures, monoxyde de carbone et dioxyde (COx).

5.3. Advice for firefighters

Protection during firefighting: Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

Other information: This product is not flammable.

5.3. Conseils aux pompiers

Protection lors de lutte contre l'incendie : Port de vêtements protecteurs appropriés si incendie dans espace confiné. Utiliser un équipement de respiration autonome.

Autres informations : Ce produit est ininflammable.

6 Accidental release measures / Mesures à prendre en cas de dispersion accidentelle

6.1. Personal precautions, protective equipment and emergency procedures

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Toutes les personnes qui s'occupent du nettoyage doivent porter de l'équipement de protection approprié. Garder les personnes à l'écart de l'endroit de déversement / fuite. Restreindre l'accès à la zone jusqu'à la fin du nettoyage. Se référer aux mesures de protection énumérées dans les sections 7 et 8.

6.2. Environmental precautions

No special measures required.

6.2. Précautions pour la protection de l'environnement

Aucune mesure spéciale n'est requise.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to Section 13.

Ensure adequate ventilation.

Other information: None.

6.3. Méthodes et matériel de confinement et de nettoyage

Méthodes de nettoyage : Ne laissez pas le matériel de contaminer les eaux souterraines. Si nécessaire, ériger une barricade bien en avant du déversement pour empêcher l'écoulement dans les égouts ou les cours d'eau naturel ou les sources d'eau potable. Aérer la zone. Éviter une fuite ou un déversement s'il est sécuritaire de le faire. Entourez et absorber le déversement avec un matériel liant les liquides (sable, diatomite, acide, liant universel, sciure).

Éliminer les matières contaminées comme déchets conformément à la section 13.

Assurer une ventilation adéquate.

Autres informations : Aucune.

6.4. Reference to other sections

Not applicable.

6.4. Référence aux autres sections

Non applicable.

Product AT USE DILUTION:**Personal precautions, protective equipment and emergency procedures:**

Refer to protective measures listed in Sections 7 and 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise.

DILUTION DU PRODUIT :**Précautions individuelles, équipement de protection et procédures d'urgence :**

Se référer aux mesures de protection énumérées dans les sections 7 et 8.

Précautions environnementales : Aucune précaution environnementale particulière n'est requise.

Méthodes et matériaux de confinement et de nettoyage : Arrêter la fuite si cela peut se faire sans danger. Contenir le déversement, puis le recueillir avec un matériau absorbant non combustible (par exemple, du sable, de la terre, de la terre à diatomées, de la vermiculite) et le placer dans un récipient pour l'éliminer conformément aux réglementations locales / nationales (voir section 13). Rincer les traces à l'eau. Pour les déversements importants, endiguer le matériau déversé ou autre.

7 Handling and storage / Manipulation et entreposage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Wash face, hands, and any exposed skin thoroughly after handling.

7.1. Précautions à prendre pour une manipulation sans danger

Manipuler conformément aux bonnes pratiques d'hygiène industrielle et de sécurité. Utiliser l'équipement de protection recommandé en section 8. Éviter le contact avec la peau, les yeux ou les vêtements. Ne pas respirer les poussières / fumées / gaz / brouillards / vapeurs / aérosols. Lavez le visage, les mains et toute peau exposée soigneusement après manipulation.

7.2. Conditions for safe storage, including incompatibilities

Keep container tightly closed and store in a cool, dry conditions at no more than 30°C. Keep out of reach of children.

7.2. Conditions d'entreposage sécuritaire; y compris toutes incompatibilités

Conserver le récipient bien fermé et entreposer dans des conditions fraîches et sèches à pas plus de 30 °C. Tenir hors portée des enfants.

Product AT USE DILUTION:**Precautions for safe handling:**

Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage, including incompatibilities:

Keep container tightly closed and store in a cool, dry conditions at no more than 30°C. Keep out of reach of children

DILUTION DU PRODUIT :**Précautions à prendre pour une manipulation sûre :**

Se laver les mains après la manipulation. En cas de dysfonctionnement mécanique, ou en cas de contact avec une dilution inconnue du produit, porter un équipement de protection individuelle (EPI) complet. Pour la protection individuelle, voir la section 8.

Conditions de sécurité du stockage, y compris les incompatibilités :

Maintenir le récipient hermétiquement fermé et le conserver dans un endroit frais et sec, à une température ne dépassant pas 30°C. Tenir hors de portée des enfants.

8 Exposure control and personal protection / Contrôle de l'exposition et protection personnelle

Chemical name / Nom du produit chimique	CAS number / Numéro CAS	OSHA PEL

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.1. Paramètres de contrôle

Le produit ne contient pas de substance présentant des valeurs en quantité significative qui nécessite une surveillance en lieu de travail.

8.2. Exposure control

Appropriate engineering controls: Ensure appropriate ventilation.

Hand protection: Wear protective gloves.

Eye protection: Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

Skin and body protection: Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.

Respiratory protection: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.

Environmental exposure control: Avoid release to the environment.

8.2. Contrôle d'exposition

Contrôles d'ingénierie appropriés : Assurer une ventilation appropriée.

Protection des mains : Porter des gants de protection.

Protection oculaire : Porter une protection pour les yeux/visage. Porter des lunettes de protection étanches selon le cas; Lunettes de sécurité avec protections latérales.

Protection de la peau et du corps : Porter des gants de protection. Si une exposition prolongée au produit est possible, utilisez des combinaisons résistantes, un tablier et des bottes pour éviter tout contact. La convenance pour un lieu de

travail spécifique devrait être discutée avec les producteurs des régimes de protection.

Protection respiratoire : Si les concentrations dans l'air sont supérieures à la limite d'exposition permise ou si elles ne sont pas connues, utiliser des respirateurs homologués NIOSH. Les respirateurs doivent être choisis en fonction de la forme et de la concentration des contaminants dans l'air et conformément à l'OSHA (29 CFR 1910.134). Les spécialistes de la protection respiratoire devraient consulter un médecin.

Contrôle de l'exposition environnementale : Éviter le rejet dans l'environnement.

Product AT USE DILUTION:

Appropriate engineering controls: Ensure appropriate ventilation.

Hand protection: No special protective equipment required.

Eye protection: No special protective equipment required.

Skin and body protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required

DILUTION DU PRODUIT :

Contrôles techniques appropriés : Assurer une ventilation appropriée.

Protection des mains : Aucun équipement de protection spécial n'est requis.

Protection des yeux : Aucun équipement de protection spécial n'est requis.

Protection de la peau et du corps : Aucun équipement de protection spécial n'est requis.

Protection des voies respiratoires : Aucun équipement de protection respiratoire individuel n'est normalement requis.

9

Physical and chemical properties / Propriétés physiques et chimiques

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.
Odour:	Mild.
Odour threshold:	Not determined.
Colour:	Blue.
pH (at 25°C):	10.8 – 11.3
Melting point:	Not applicable
Boiling point:	~100°C
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not applicable.
Explosive limit:	Not determined.
Explosive properties:	
• Lower limit:	Not determined.
• Upper limit:	Not determined.
Oxidizing properties:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Density (at 25°C):	0.997 – 1.007
Relative density:	Not determined.
Solubility in water:	Miscible.
Partition Coefficient:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.
Viscosity:	Not determined.

9.2. Other information

No additional information available.

9.1. Informations sur les propriétés physiques et chimiques essentielles

Aspect :	Liquide.
Odeur :	Doux.
Seuil olfactif :	Non déterminé.
Couleur :	Bleu.
pH (à 25 °C) :	10,8 – 11,3
Point de fusion :	Non applicable.
Point d'ébullition :	~ 100 °C
Point d'éclair :	Non déterminé.
Taux d'évaporation :	Non déterminé.
Inflammabilité (solide, gaz) :	Non applicable.
Limite d'explosion :	Non déterminé.
Propriétés explosives :	
• Limite inférieure :	Non déterminé.
• Limite supérieure :	Non déterminé.
Propriétés oxydantes :	Non déterminé.
Pression de la vapeur :	Non déterminé.
Densité de la vapeur :	Non déterminé.
Densité (à 25 °C) :	0,997 – 1,007
Densité relative :	Non déterminé.
Solubilité dans l'eau :	Miscible.
Coefficient de partition :	Non déterminé.
Température d'auto-ignition :	Ce produit n'est pas auto-inflammable.
Température de décomposition :	Non déterminé.
Viscosité :	Non déterminé.

9.2. Autres informations

Aucune information additionnelle disponible.

Product AT USE DILUTION:

Physical state:	Liquid.
Odour:	Mild - unfragranced.
Fragrance:	Fragrance-free.
Odour threshold:	Not determined.
Colour:	Light blue.
pH (at 25°C):	8.4 – 9.1
Melting point:	Not applicable
Boiling point:	~100°C
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not applicable.
Explosive limit:	Not determined.
Explosive properties:	
• Lower limit:	Not determined.
• Upper limit:	Not determined.
Oxidizing properties:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Density (at 25°C):	1.00 – 1.01
Relative density:	Not determined.
Solubility in water:	Miscible.
Partition Coefficient:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.
Viscosity:	Not determined.

DILUTION DU PRODUIT :

Aspect:	Liquide.
Odeur :	Herbier.
Parfum :	Herbier.
Seuil olfactif :	Non déterminé.
Couleur :	Bleu clair.
pH (à 25 °C) :	8,4 – 9,1
Point de fusion :	Non applicable.
Point d'ébullition :	~ 100 °C
Point d'éclair :	Non déterminé.
Taux d'évaporation :	Non déterminé.
Inflammabilité (solide, gaz) :	Non applicable.
Limite d'explosion :	Non déterminé.
Propriétés explosives :	
• Limite inférieure :	Non déterminé.
• Limite supérieure :	Non déterminé.
Propriétés oxydantes :	Non déterminé.
Pression de la vapeur :	Non déterminé.
Densité de la vapeur :	Non déterminé.
Densité (à 25 °C) :	1,00 – 1,01
Densité relative :	Non déterminé.
Solubilité dans l'eau :	Miscible.
Coefficient de partition :	Non déterminé.
Température d'auto-ignition :	Ce produit n'est pas auto-inflammable.
Température de décomposition :	Non déterminé.
Viscosité :	Non déterminé.

10 Stability and reactivity / Stabilité et réactivité

10.1. Reactivity

Not determined.

10.1. Réactivité

Non déterminé.

10.2. Chemical stability

No decomposition if used according to specifications.

10.2. Stabilité chimique

Pas de décomposition si utilisée selon les spécifications.

10.3. Possibility of hazardous reactions

None known.

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions to avoid

Avoid extreme heat and naked flames.

10.4. Conditions à éviter

Éviter les températures extrêmes et les flammes nues.

10.5. Incompatible materials

Strong reducing and oxidizing agents.

10.5. Matières incompatibles

Agents réducteurs et oxydants forts.

10.6. Hazardous decomposition products

In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx).

10.6. Produits de décomposition dangereux

En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation : hydrocarbures, monoxyde de carbone et dioxyde (COx).

11 Toxicological information / Information toxicologique

11.1. Information on toxicological effects

Information on the likely routes of exposure: Skin and eye contact.

Acute toxicity:

11.1. Informations sur les effets toxicologiques

Informations sur les voies d'exposition probables : Contact avec la peau et les yeux.

Toxicité aiguë :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Azure (ATE)	LD50 (Oral)	>5,000 mg/kg (rat)
	LD50 (Dermal)	>5,000 mg/kg (rabbit)

- Symptoms related to the physical, chemical and toxicological characteristics:
- If inhaled: Vapours may cause irritation to the airways.
 - If on skin: None known.
 - If in eyes: May cause mild eye irritation.
 - After ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
 - Sensitization: No sensitizing effects known.

Delayed and immediate effects, and chronic effects from short term and long term exposure:

- Prolonged or frequent contact can cause eczema and inflammation of the skins as a result of degreasing.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No components are listed as carcinogens by IARC, ACGIH, OSHA or NTP.
- Reproductive toxicity: No data available.
- Specific target organ toxicity:
 - Single exposure: No data available.
 - Repeated exposure: No data available.
- Aspiration hazard: No data available.

- Symptômes liés aux caractéristiques physiques, chimiques et toxicologiques :
- En cas d'inhalation : Les vapeurs peuvent causer une irritation des voies respiratoires.
 - Si sur la peau : Aucune connue.
 - Si dans les yeux : Peut provoquer une légère irritation des yeux.
 - Après l'ingestion : Peut provoquer une irritation du tractus gastro-intestinal, des nausées, des vomissements et des diarrhées.
 - Sensibilisation : Aucun effet de sensibilisation connu.

Effets effets différés et immédiats et chroniques de court terme et de l'exposition à long terme :

- Un contact prolongé ou fréquent peut provoquer de l'eczéma et de l'inflammation la peau en raison de dégraissage.
- Mutagénéicité des cellules germinales : Pas de données disponibles.
- Cancérogénicité : Aucun des ingrédients n'est répertorié comme carcinogène par le CIRC, ACGIH, NTP et OSHA.
- Toxicité pour la reproduction : Pas de données disponibles.
- Toxicité pour certains organes cibles :
 - Exposition unique : Pas de données disponibles.
 - Exposition répétée : Pas de données disponibles.
- Danger par aspiration : Pas de données disponibles.

Product AT USE DILUTION:

- If inhaled: No symptoms known or expected.
- If on skin: No symptoms known or expected.
- If in eyes: No symptoms known or expected.
- After ingestion: No symptoms known or expected.
- Sensitization: No sensitizing effects known.

DILUTION DU PRODUIT :

- En cas d'inhalation : Aucun symptôme connu ou attendu.
- Si sur la peau : Aucun symptôme connu ou attendu.
- Si dans les yeux : Aucun symptôme connu ou attendu.
- Après l'ingestion : Aucun symptôme connu ou attendu.
- Sensibilisation : Aucun effet de sensibilisation connu.

12 Ecological information / Informations écologiques

12.1. Toxicity

Ecology:

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur

12.1. Toxicité

Écologie :

12.2. Persistence and degradability

Solution is readily biodegradable based on components.

12.2. Persistance et dégradabilité

La solution est facilement biodégradable en fonction des composants.

12.3. Bioaccumulative potential

Not available.

12.3. Potentiel de bioaccumulation

Non disponible.

12.4. Mobility in soil

Not available.

12.4. Mobilité dans le sol

Non disponible.

12.5. Other adverse effects

Not available.

12.5. Autres effets adverses

Non disponible.

13 Disposal considerations / Considérations relatives à l'élimination

13.1. Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

13.1. Méthodes relatives au traitement des déchets

Recommandation : Ne pas disposer avec les ordures ménagères. Ne pas laisser pénétrer les systèmes d'égout à moins qu'il soit significativement dilué ou neutralisé.

Product AT USE DILUTION: Diluted product can be flushed to sanitary sewer.

DILUTION DU PRODUIT : Le produit dilué peut être évacué dans les égouts sanitaires.

13.2. Waste from residues / unused products

Recommendation: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Recommended cleansing agent: Water.

13.2. Élimination des emballages contaminés

Recommandation : L'élimination doit être faite en conformité avec toutes les réglementations fédérales, d'états, provinciales et locales. Contactez votre agence environnementale locale, régionale, provinciale ou fédérale pour les règlements spécifiques.

Agent de nettoyage recommandé : Eau.

14 Transport information / Information sur le transport

Product is not regulated as hazardous.

Ce produit n'est classifié comme dangereux pour le transport.

	14.1. UN number / Numéro ONU	14.2. UN proper shipping name / Nom propre pour l'expédition de l'ONU	14.3. Transport hazard class(es) / Classe(s) de danger	14.4. Packing group / Groupe d'emballage	14.5. Environmental hazards / Dangers pour l'environnement
TDG	None / Aucun	Not regulated / Pas réglementé	None / Aucun	None / Aucun	None / Aucun
DOT					

14.6. Special precautions for user

None specified.

14.6. Précautions spéciales pour l'utilisateur

Aucune identifiée.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

14.7. Transport en vrac conformément à l'Annexe II du MARPOL 73/78 et du code IBC

Non disponible.

15 Regulatory information / Renseignements sur la réglementation

15.1. Regulations

None specified.

15.1. Réglementation

Aucune identifiée.

Blu-Lite Plus

(DIN 02362333)



1 Chemical product and company identification / Identification du produit chimique et de l'entreprise

1.1. Product identifier

Product name: Blu-Lite Plus
Product form: Liquid
Product code: 53755, 53756, 53757

1.1. Identificateur du produit

Nom du produit : Blu-Lite Plus
État du produit : Liquide
Code du produit : 53755, 53756, 53757

1.2. Relevant identified uses of chemical product and uses advised against

Recommended use: Hard Surface Disinfectant.
Restriction on use: For intended use only.

1.2. Utilisations pertinentes identifiées du produit chimique et utilisations non recommandées

Usage du produit : Désinfectant à surface dure.
Utilisation déconseillée : Pour usage destiné seulement.

1.3. Details of the supplier of the safety data sheet

Dustbane Products Ltd.
25 Pickering Pl.
Ottawa, Ontario K1G 5P4
T: 1-800-387-8226 F: 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.3. Détails du fournisseur de la fiche signalétique

Les Produits Dustbane Ltée
25 pl. Pickering
Ottawa, Ontario K1G 5P4
T : 1-800-387-8226 F : 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.4. Emergency telephone number

CANUTEC: 1-613-996-6666 (Collect)

1.4. Numéro de téléphone d'urgence

CANUTEC : 1-613-996-6666 (À frais virés)

2 Hazard(s) identification / Reconnaissance des dangers

2.1. Classification of the chemical product

General: None.

2.1. Classification du produit chimique

Générale : Aucun.

2.2. Label elements

Classification: Not controlled under WHMIS 2015.

2.2. Éléments de l'étiquette

Classification : Non réglementé sous SIMDUT 2015.

3 Composition/information on ingredients // Composition/information sur les ingrédients

3.2. Mixture

Dangerous components:

3.2. Mélange

Composants dangereux :

Chemical name	CAS No.	Quantity (%)
Organic acid salt / Sel d'acide organique	207308-34-7	5 - 10
Amides, coco, N-[3-(dimethylamino)propyl] N-oxides	68155-09-9	1 - 5
Surfactant blend / Mélange de tensioactifs	Proprietary / Propriétaire	1 - 5
Didecyldimethylammonium chloride	7173-51-5	>0.1
Alkyl(C12-C16)dimethylbenzylammonium chloride	68424-85-1	>0.1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Il n'existe pas d'autres ingrédients présents qui, dans la connaissance actuelle du fournisseur et dans les concentrations applicables, soient classés comme dangereux pour la santé et doivent donc être signalés dans cette section.

4 First aid / Premiers soins

4.1. Description of first aid measures

General: Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.

Inhalation: Move person to fresh air and keep comfortable for breathing. Get medical attention.

Ingestion: Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.

Skin: Remove immediately all contaminated clothing. Wash with soap and water and rinse thoroughly. If skin irritation or a rash occurs: Get medical advice/attention.

Eyes: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so – continue rinsing.

4.1. Description des mesures de premiers soins

Générale : Enlever immédiatement les vêtements contaminés par le produit. Laver les vêtements contaminés avant de les réutiliser.

Inhalation : Transporter la victime à l'extérieur et garder la confortable pour respirer. Obtenir des soins médicaux.

Ingestion : Buvez beaucoup d'eau et de l'air frais. Appeler immédiatement un médecin. Ne pas faire vomir.

Contact avec la peau : Enlever immédiatement tous les vêtements contaminés. Laver à l'eau et au savon et bien rincer. En cas d'irritation cutanée ou d'éruption cutanée: Consulter un médecin.

Contact avec les yeux : Rincer les yeux pendant plusieurs minutes sous l'eau courante. Enlever les lentilles de contact, si présent et facile à faire - continuer le rinçage.

4.2. Most important symptoms and effect, both acute and delayed

Causes serious eye damage.

4.2. Principaux symptômes et effets, tant aigus que différés

Provoque des lésions oculaires graves.

4.3. Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

4.3. Indications sur les éventuels soins médicaux et traitements particuliers nécessaires

Traiter les symptômes.

5 Firefighting measures / Mesures de lutte contre l'incendie

5.1. Extinguishing media

Use extinguishing media appropriate for the surrounding fire. Water spray, fog, mist, dry chemical, sand, etc.

5.1. Moyens d'extinctions

Utiliser n'importe quel moyen d'extinction adéquat pour le feu environnant. Eau pulvérisée, brouillard, brume, poudre chimique sèche, sable, etc.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Unknown.

Exposure hazards: In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx), nitrogen oxides (NOx) and sulfur oxides (SOx).

5.2. Dangers particuliers résultant de la substance ou du mélange

Risque d'incendie : Non connu.

Dangers dus à l'exposition : En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation: hydrocarbures, monoxyde de carbone et dioxyde (COx), oxydes d'azote (NOx) et oxydes de soufre (SOx).

5.3. Advice for firefighters

Protection during firefighting: Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

Other information: This product is not flammable.

5.3. Conseils aux pompiers

Protection lors de lutte contre l'incendie : Port de vêtements protecteurs appropriés si incendie dans espace confiné. Utiliser un équipement de respiration autonome.

Autre information : Ce produit est ininflammable.

6

Accidental release measures / Mesures à prendre en cas de dispersion accidentelle

6.1. Personal precautions, protective equipment and emergency procedures

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

6.1. Précautions individuelles, équipement de protection et procédures d'urgence.

Toutes les personnes qui s'occupe du le nettoyage doivent porter de l'équipement de protection approprié. Garder les personnes à l'écart de l'endroit de déversement / fuite. Restreindre l'accès à la zone jusqu'à la fin du nettoyage. Se référer aux mesures de protection énumérées dans les sections 7 et 8.

6.2. Environmental precautions

No special measures required.

6.2. Précautions pour la protection de l'environnement

Aucune mesure spéciale nécessaire.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation. Use neutralizing agent (e.g. sodium bicarbonate).

Other information: None.

6.3. Méthodes et matériel de confinement et de nettoyage

Méthodes de nettoyage : Ne laissez pas le matériel de contaminer les eaux souterraines. Si nécessaire, ériger une barricade bien en avant du déversement pour empêcher l'écoulement dans les égouts ou les cours d'eau naturel ou les sources d'eau potable. Aérer la zone. Éviter une fuite ou un déversement s'il est sécuritaire de le faire. Entourez et absorber le déversement avec un matériel liant les liquides (sable, diatomite, acide, liant universel, sciure). Éliminer les matériaux contaminés en tant que déchets conformément à la section 13. Assurer une ventilation adéquate. Utiliser un agent neutralisant (par exemple le bicarbonate de sodium).

Autres informations : Aucune.

6.4. Reference to other sections

Not applicable.

6.4. Référence aux autres sections

Non applicable.

7

Handling and storage / Manipulation et entreposage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

7.1. Précautions à prendre pour une manipulation sans danger

Manipuler conformément aux normes d'hygiène industrielle et aux consignes de sécurité. Utiliser de l'équipement de protection recommandée dans la section 8. Éviter le contact avec la peau, les yeux ou les vêtements. Se laver le visage, les mains et toute peau exposée, après manipulation.

7.2. Conditions for safe storage, including incompatibilities

Keep container tightly closed and store in a in cool, dry conditions at no more than 30°C. Keep out of reach of children.

7.2. Conditions d'entreposage sécuritaire; y compris toutes incompatibilités

Conservé le récipient bien fermé et entreposer dans des conditions fraîches et sèches à pas plus de 30 °C. Tenir hors portée des enfants.

8

Exposure control and personal protection / Contrôle de l'exposition et protection personnelle

Chemical name / Nom du produit chimique	CAS number / Numéro CAS	ACGIH	OSHA PEL

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.1. Paramètres de contrôle

Le produit ne contient pas de substance présentant des valeurs en quantité significative qui nécessite une surveillance en lieu de travail.

8.2. Exposure control

Appropriate engineering controls: Ensure appropriate ventilation.

Hand protection:	Wear protective gloves.
Eye protection:	Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.
Skin and body protection:	Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimes.
Respiratory protection:	If airborne concentrations are above the permissible exposure limit or arc not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists.
Environmental exposure control:	Avoid release to the environment.

8.2. Contrôle d'exposition

Contrôles d'ingénierie appropriés : Assurer une ventilation approprié.

Protection des mains :	Porter des gants de protection.
Protection oculaire :	Porter un appareil de protection des yeux / du visage. Porter, le cas échéant, des lunettes de protection hermétiques; Lunettes de sécurité avec protections latérales.
Protection de la peau et du corps :	Porter des gants de protection. Lorsqu'une exposition prolongée au produit est possible, utilisez des combinaisons résistantes, un tablier et des bottes pour éviter tout contact. La convenance pour un lieu de travail spécifique devrait être discutée avec les producteurs des régimes de protection.
Protection respiratoire :	Si les concentrations dans l'air sont supérieures à la limite d'exposition permise ou si elles ne sont pas connues, utiliser des respirateurs approuvés par le NIOSH. Les respirateurs doivent être choisis en fonction de la forme et de la concentration des contaminants dans l'air et conformément à l'OSHA (29 CFR 1910.134). Les spécialistes de la protection respiratoire devraient consulter un médecin.

Contrôle de l'exposition environnementale : Éviter le rejet dans l'environnement.

9 Physical and chemical properties / Propriétés physiques et chimiques

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.
Odour:	Mild.
Odour threshold:	Not determined.
Colour:	Colourless.
pH (at 25°C):	0.3 – 1.3
Melting point:	Not applicable
Boiling point:	~100°C
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not applicable.
Explosive limit:	Not determined.
Explosive properties:	
• Lower limit:	Not determined.
• Upper limit:	Not determined.
Oxydising properties:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Density (at 25°C):	1.028 – 1.038
Relative density:	Not determined.
Solubility in water:	Miscible.
Partition Coefficient:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.
Viscosity:	Not determined.

9.1. Informations sur les propriétés physiques et chimiques essentielles

Aspect :	Liquide.
Odeur :	Doux.
Seuil olfactif :	Non déterminé.
Couleur :	Incolore.
pH (à 25 °C) :	0,3 – 1,3
Point de fusion :	Non applicable.
Point d'ébullition :	~ 100 °C
Point d'éclair :	Non déterminé.
Taux d'évaporation :	Non déterminé.
Inflammabilité (solide, gaz) :	Non applicable.
Limite d'explosion :	Non déterminé.
Propriétés explosives :	
• Limite inférieure :	Non déterminé.
• Limite supérieure :	Non déterminé.
Propriétés oxydantes :	Non déterminé.
Pression de la vapeur :	Non déterminé.
Densité de la vapeur :	Non déterminé.
Densité (à 25 °C) :	1,028 – 1,038
Densité relative :	Non déterminé.
Solubilité dans l'eau :	Miscible.
Coefficient de partition :	Non déterminé.
Température d'auto-ignition :	Ce produit n'est pas auto-inflammable.
Température de décomposition :	Non déterminé.
Viscosité :	Non déterminé.

9.2. Other information

No additional information available.

9.2. Autres informations

Aucune information additionnelle de disponible.

10 Stability and reactivity / Stabilité et réactivité

10.1. Reactivity

Not determined.

10.1. Réactivité

Non déterminé.

10.2. Chemical stability

No decomposition if used according to specifications.

10.2. Stabilité chimique

Pas de décomposition si utilisée selon les spécifications.

10.3. Possibility of hazardous reactions

None known.

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions to avoid

Avoid extreme heat and naked flames.

10.4. Conditions à éviter

Éviter les températures extrêmes et les flammes nues.

10.5. Incompatible materials

Alkalis, strong oxidizers and oxidizing agents.

10.5. Matières incompatibles

Alcalis, oxydants forts et agents oxydants.

10.6. Hazardous decomposition products

In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen oxides (NOx).

10.6. Produits de décomposition dangereux

En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation de l'eau: les hydrocarbures, les monoxyde de carbone et les dioxydes (COx) et les oxydes d'azote (NOx).

11 Toxicological information / Information toxicologique

11.1. Information on toxicological effects

Information on the likely routes of exposure: Skin and eye contact.

11.1. Informations sur les effets toxicologiques

Informations sur les voies d'exposition probables : Contact avec la peau et les yeux.

Acute toxicity:

Toxicité aiguë :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Blu-Lite Plus(ATE)	LD50 (Oral) LD50 (Dermal)	>5,000 mg/kg (rat) >5,000 mg/kg (rabbit)
Organic acid salt / Sel d'acide organique	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	1,357 mg/kg (rat) 3,698 mg/kg (rat) No information available / Pas d'information disponible
Amides, coco, N-[3-(dimethylamino)propyl] N-oxides	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	>2,000 mg/kg (rat) No information available / Pas d'information disponible No information available / Pas d'information disponible
Surfactant blend / Mélange de tensioactifs	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	2,292 mg/kg (rat) No information available / Pas d'information disponible No information available / Pas d'information disponible
Didecyltrimethylammonium chloride / Chlorure de didécyltriméthylammonium	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	430 mg/kg 3,560 mg/kg No information available / Pas d'information disponible
Alkyl(C12-C16)dimethylbenzylammonium Chloride	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	238 mg/kg (rat) 3,342 mg/kg (rat) No information available / Pas d'information disponible

Symptoms related to the physical, chemical and toxicological characteristics:

- If inhaled: Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
- If on skin: May cause skin irritation.
- If in eyes: Causes serious eye damage.
- After ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
- Sensitization: No sensitizing effects known.

Symptômes liés aux caractéristiques physiques, chimiques et toxicologiques :

- En cas d'inhalation : Les vapeurs peuvent causer une irritation des voies aériennes. L'inhalation de quantités plus importantes peut induire un malaise, des nausées, des étourdissements, des maux de tête, une narcose et une perte de conscience.
- Si sur la peau : Peut irriter la peau.
- Si dans les yeux : Provoque des lésions oculaires graves.
- Après l'ingestion : Peut causer une irritation du tractus gastro-intestinal, des nausées, des vomissements et des maux de tête.
- Sensibilisation : Aucun effet de sensibilisation connu.

Delayed and immediate effects, and chronic effects from short term and long term exposure:

- Prolonged or frequent contact can cause eczema and inflammation of the skins as a result of degreasing.
- Germ cell mutagenicity: Not classified.
- Carcinogenicity: No components are listed as carcinogens by IARC, ACGIH, OSHA or NTP.
- Reproductive toxicity: Not classified.
- Specific target organ toxicity:
 - Single exposure: Not classified.
 - Repeated exposure: Not classified.
- Aspiration hazard: Not classified.

Effets effets différés et immédiats et chroniques de court terme et de l'exposition à long terme:

- Un contact prolongé ou fréquent peut provoquer de l'eczéma et de l'inflammation la peau en raison de dégraissage.
- Mutagénéité des cellules germinales : Non classés.
- Cancérogénicité : Aucun des ingrédients n'est répertorié par le CIRC, ACGIH, NTP et OSHA.
- Toxicité pour la reproduction : Non classés.
- Toxicité pour certains organes cibles :
 - Exposition unique : Non classés.
 - Exposition répétée : Non classés.
 - Danger par aspiration : Non classés.

12 Ecological information / Informations écologiques

12.1. Toxicity

Ecology:

12.1. Toxicité

Écologie :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Organic acid salt / Sel d'acide organique	LC50 (Daphnia magna, 48 hr) IC50 (Selenastrum capricornutum, 72 hr) LC50 (Rainbow trout, 96 hr)	709 mg/l 21.5 mg/l >100 mg/l
Amides, coco, N-[3-(dimethylamino)propyl] N-oxides	LC50 (Daphnia magna, 48 hr) IC50 (Selenastrum capricornutum, 72 hr) LC50 (Rainbow trout, 96 hr)	
Surfactant blend / Mélange de tensioactifs	EC50 (Daphnia magna, 48 hr) LC50 (Fish, 96 hr)	37.9 mg/l 36.9 mg/l
Didecyldimethylammonium chloride / Chlorure de didécylméthylammonium	LC50 (Danio rerio, 96 hr) LC50 (Daphnia magna, 48 hr) NOEC (Daphnia magna, 21 d) EC50 (Algae, 72 hr)	0.97 mg/l 0.057 mg/l 0.021 mg/l 0.062 mg/l
Alkyl(C12-C16)dimethylbenzyl-ammonium Chloride	LC50 (Lepomis macrochirus, 96 hr) NOEL (Daphnia magna, 48 hr)	0.515 mg/l 0.0042 mg/l

12.2. Persistence and degradability

Solution is readily biodegradable based on components.

12.2. Persistance et dégradabilité

La solution est facilement biodégradable en fonction des composants.

12.3. Bioaccumulative potential

Not available.

12.3. Potentiel de bioaccumulation

Non disponible.

12.4. Mobility in soil

Not available.

12.4. Mobilité dans le sol

Non disponible.

12.5. Other adverse effects

Not available.

12.5. Autres effets adverses

Non disponible.

13 Disposal considerations / Considérations relatives à l'élimination

13.1. Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

13.1. Méthodes relatives au traitement des déchets

Recommandation : Ne pas disposer avec les ordures ménagères. Ne pas laisser pénétrer les systèmes d'égout à moins qu'il soit significativement dilué ou neutralisé.

13.2. Waste from residues / unused products

Recommendation: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Recommended cleansing agent: Water.

13.2. Élimination des emballages contaminés

Recommandation : L'élimination doit être faite en conformité avec toutes les réglementations fédérales, d'états, provinciales et locales. Contactez votre agence environnementale locale, régionale, provinciale ou fédérale pour les règlements spécifiques.

Agent de nettoyage recommandé : Eau.

14 Transport information / Information sur le transport

Product is not regulated as hazardous.

Ce produit n'est pas classifié comme dangereux.

	14.1. UN number / Numéro ONU	14.2. UN proper shipping name / Nom propre pour l'expédition de l'ONU	14.3. Transport hazard class(es) / Classe(s) de danger	14.4. Packing group / Groupe d'emballage	14.5. Environmental hazards / Dangers pour l'environnement
TDG	None / Aucun	Not regulated / Pas réglementé	None / Aucun	None / Aucun	None / Aucun
DOT					

14.6. Special precautions for user

None specified.

14.6. Précautions spéciales pour l'utilisateur

Aucune identifiée.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

14.7. Transport en vrac conformément à l'Annexe II du MARPOL 73/78 et du code IBC

Non disponible.

15 Regulatory information / Renseignements sur la réglementation

15.1. Regulations

None specified.

15.1. Réglementation

Aucune identifiée.

16 Other information / Autres renseignements

Last revision date: 04/08/2022
Preparation date: 01/03/2017

Dernière révision : 04/08/2022
Date de préparation : 01/03/2017

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS No.: Chemical Abstract Service (division of the American Chemical Society)

cPs: Centipoise

D: Days

DOT: US Department of Transport

Hr: Hours

EC50: Effective Concentration, 50 percent

IC50: Inhibitory Concentration, 50 percent

LD50: Lethal Dose, 50 percent

LC50: Lethal Concentration, 50 percent

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health

INCI: International Nomenclature of Cosmetic Ingredients

MSHA: Mine Safety and Health Administration

NTP: National Toxicology Program

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

NOISH: US National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PVC: Polyvinyl chloride

STEL: Short-Term Exposure Limit

TDG: Transport Canada Transportation of Dangerous Goods

TWA: Time Weighted Average

N/A: Not Applicable

Abréviations et acronymes :

ACGIH : *American Conference of Governmental Industrial Hygienists*

N° CAS. : *Chemical Abstract Service (division de l'American Chemical Society)*

CIRC : Centre international de Recherche sur le Cancer

cPo: Centipoise

D : Jours

DIVS : Danger immédiat pour la vie ou la santé

DOT : Département des transports É.-U.

H : Heures

EC50 : Concentration efficace, 50 pourcent

IC50: Concentration inhibitrice, 50 pourcent

INCI : Nomenclature internationale des ingrédients cosmétiques

LD50 : Dose mortel, 50 pourcent

LC50 : Concentration mortel, 50 pourcent

IARC : Centre international de Recherche sur le Cancer

MSHA : *Mine Safety and Health Administration*

NTP : *National Toxicology Program*

NOEC : Aucun effet observé concentration

NOEL : Aucun effet observé niveau

NOISH : *US National Institute for Occupational Safety and Health*

OSHA : *Occupational Safety and Health Administration*

PEL : Limite d'exposition admissible

PVC : Chlorure de polyvinyle

STEL : Limite d'exposition à court terme

TDG : Transport Canada Transport des marchandises dangereuses

TWA : Durée moyenne pondérée

N/A : Non applicable

Disclaimer / Statement of liability:

While the descriptions, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application / use, we recommend that you perform an assessment to determine the suitability of the product for your particular purpose prior to use. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. No warranties of any kind, either expressed or implied, including fitness for a particular purpose are made regarding the product described. We assume NO responsibility for any injuries resulting from misuse or misapplication of this product or that might be sustained because of inhalation, ingestion, absorption or other contact with this product. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

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Bien que les descriptions, les données et les informations contenues dans ce document sont présentées de bonne foi et considérées comme exactes, il est fourni à titre indicatif seulement. Parce que de nombreux facteurs peuvent influencer sur le traitement ou l'application / utilisation, nous vous recommandons d'effectuer une évaluation afin de déterminer l'adéquation du produit pour votre usage particulier avant l'utilisation. Rien ici ne doit être interprété comme une recommandation de contrefaire des brevets existants ou d'enfreindre les lois ou règlements. Aucune garantie d'aucune sorte, expresse ou implicite, y compris l'aptitude à un usage particulier n'est faite concernant le produit décrit. Nous déclinons toute responsabilité pour toute blessure résultant d'une mauvaise utilisation ou d'une mauvaise de ce produit ou pourrait être soutenue en raison de l'inhalation, l'ingestion, l'absorption ou tout autre contact avec ce produit. En aucun cas, les légendes, les informations ou les données fournies ne doivent être considérées comme une partie de nos conditions générales de vente. En outre, les descriptions, les données et les informations fournies ci-dessous sont données gratis. Aucune obligation ou responsabilité pour la description, les données et informations fournies sont supposées. Tout comme étant donné et accepté à vos risques.



SAFETY DATA SHEET
314: CONCENTRATE

Issued: May 27, 2016
Supersedes: July 2, 2015

ECLIPSE™ d-LIMONENE DEGREASER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Eclipse d-Limonene Degreaser **Product Number:** 314
Recommended Use: Non-Phosphate Heavy Duty Degreaser
Concentrate - dilute prior to use.
Product intended for commercial and industrial use only.
Uses Advised Against: Other than per labelled instructions

Manufacturer Address:

Amano Pioneer Eclipse Corporation
P.O. Box 909
1 Eclipse Road
Sparta, NC 28675
Telephone: 1-336-372-8080
Email: sds@pioneereclipse.com
Internet: www.pioneereclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Skin Corrosion - Category 1
Eye Damage - Category 1
Skin Sensitization - Category 1

Signal Word: DANGER

Pictogram:



Hazard Statements:

Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause an allergic skin reaction.

Precautionary Statements:

Do not breathe mist/vapours/spray.
Wash thoroughly after handling.
Wear protective gloves and eye protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician if you feel unwell.
Contaminated work clothing must not be allowed out of the workplace.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container according to local, regional and national regulations.

Other Hazards: None known

Supplemental Information: None known



SAFETY DATA SHEET

314: CONCENTRATE

Issued: May 27, 2016

Supersedes: July 2, 2015

ECLIPSE™ d-LIMONENE DEGREASER

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
sodium carbonate	497-19-8	1 - 5
sodium metasilicate	6834-92-0	1 - 5
d-Limonene	5989-27-5	0.1 - 0.2

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention.

Inhalation: If breathing is difficult. Remove subject to fresh air. Seek medical attention immediately.

Ingestion: Call a physician or poison control center. Do not induce vomiting. Seek medical advice immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Causes eye burns.

Skin Contact: Causes skin burns.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.

Ingestion: May cause burns to mouth, throat and stomach.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Water spray, CO₂, dry chemical, alcohol-type or universal type foams

Specific Hazards: Corrosive liquid. (See Sections 8 and 10.) Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.

Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C / 212° F

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

Conditions for Safe Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F)

Other Information: Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.



SAFETY DATA SHEET 314: CONCENTRATE

Issued: May 27, 2016
Supersedes: July 2, 2015

ECLIPSE™ d-LIMONENE DEGREASER

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	None
Engineering Controls:	Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Safety eyewear is recommended, to avoid chemical splashes and mists.
Skin Protection:	Chemical resistant gloves are recommended.
Respiratory Protection:	No personal protective equipment required with normal use. General room ventilation should be adequate.
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	thin, orange liquid
Odor:	citrus
Odor Threshold:	data not available
pH:	12.5
Freezing Point:	data not available
Boiling Point:	data not available
Flash Point:	>200°F / >93°C
Evaporation Rate:	less than water
Flammability (solid/gas):	not applicable to liquids
Flammability limits:	data not available
Vapor Pressure:	data not available
Vapor Density:	data not available
Relative Density:	8.8 lb/gal @ 68°F / 1.06 kg/l @ 20°C
Solubility:	miscible in water
Partition Coefficient:	data not available
Auto Ignition temperature:	data not available
Decomposition Temperature:	data not available
Viscosity:	< 5 centipoise @ 68°F (20°C)
VOC:	0.16% (as supplied), 0.01% (1:16 & 1:32), <0.01% (1:64 & 1:128)

10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Stability:	Stable under normal conditions.
Hazardous reactions:	Adding water directly to the product may generate heat and cause product to splash. To avoid adverse reaction, always add product to water, do not add water to product.
Conditions to avoid:	Improper order of dilution
Incompatible materials:	Strong acids and oxidizing agents. Do not mix with other chemicals unless stated on the product label.
Hazardous decomposition products:	carbon monoxide, carbon dioxide and nitrogen oxides

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

LOCAL EFFECTS

Skin contact:	Corrosive
Eye contact:	Corrosive
Sensitization:	May cause allergic reaction.
Chronic effects:	None expected

SPECIFIC EFFECTS

Carcinogenicity:	None known
Reproductive effects:	None known
Teratogenicity:	None known
Mutagenicity:	None known



SAFETY DATA SHEET

314: CONCENTRATE

Issued: May 27, 2016
Supersedes: July 2, 2015

ECLIPSE™ d-LIMONENE DEGREASER

COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation-Rat (mg/l)
sodium carbonate	4090	> 2000	1.5 (4 hr)
sodium metasilicate	1500	N/A	2.3 (2 hr)
d-limonene	4400	> 2000	not available

Carcinogenicity:

Component	IARC	NTP	OSHA
d-limonene	IARC 3	N/L	N/L

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Data not available.
Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Other Adverse Effects: Data not available.

13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

UN Number: UN1760
UN Proper Shipping Name: Corrosive liquid, n.o.s. (disodium trioxosilicate)
Hazard Class: 8
Packing Group: III
Marine Pollutant: None
Transport in Bulk: N/A
Other Information: Package volumes <5 L each are shipped as Limited Quantity; as permitted by hazard class and quantity exemption.

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING: Components not subject to US Reporting (SARA 302/304, 313, CERCLA)
STATE RIGHT-TO-KNOW STATUS: Components not subject to RTK Listing (MA, NJ, PA, RI)
CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.
CANADA REGULATIONS/REPORTING: This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.

16: OTHER INFORMATION

Abbreviations Used:
N/A - Not applicable
N/E - Not Established
N/L - Not Listed
IARC 3- Unclassifiable as to carcinogenicity in humans

Revision Information:
May 27, 2016 - Logo change, email address, minor edits



SAFETY DATA SHEET 314: CONCENTRATE

Issued: May 27, 2016

Supersedes: July 2, 2015

ECLIPSE™ d-LIMONENE DEGREASER



Health: 3
Flammability: 0
Reactivity: 0

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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****



Defoamer

Revision: 2020-06-01

Version: 01.0

1. IDENTIFICATION

Product name: Defoamer
Product Code: 95002620
SDS #: MS0800852
Recommended use:

- Industrial/Institutional
- Defoamer
- This product is intended to be used neat.

Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: https://sds.diversey.com	Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171
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Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

This product is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Hazard Statements

None required.

Precautionary Statements

None required.

Health hazards not otherwise classified (HHNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Methanol	67-56-1	> 0.1 - < 1%

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

Eyes: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Skin: No specific first aid measures are required.

Inhalation: No specific first aid measures are required.

Ingestion: Rinse mouth with water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed: Not applicable.

Aggravated Medical Conditions: None known.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required
Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards: None known.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Keep tightly closed in a dry, cool and well-ventilated place.

Aerosol Level (if applicable): Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	CAS #	ACGIH	OSHA
Methanol	67-56-1	250 ppm (STEL) 200 ppm (TWA)	200 ppm (TWA) 260 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection: No personal protective equipment required under normal use conditions.
Hand protection: No personal protective equipment required under normal use conditions.
Skin and body protection: No personal protective equipment required under normal use conditions.
Respiratory protection: No personal protective equipment required under normal use conditions.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Evaporation Rate: No information available
Odor threshold: No information available.
Melting point/range: Not determined
Autoignition temperature: No information available
Solubility in other solvents: No information available
Density: 1.003 Kg/L
Bulk density: No information available
Flash point (°F): > 200 °F > 93 °C
Viscosity: 400

Color: Milky, Cream
Odor: Bland
Boiling point/range: Not determined
Decomposition temperature: Not determined
Solubility: Dispersible
Relative Density (relative to water): 1.003
Vapor density: No information available
Vapor pressure: No information available.
Partition coefficient (n-octanol/water): No information available
Elemental Phosphorus: 0 % by wt.

VOC: 0.4 % *

pH: ≈ 8.5

Flammability (Solid or Gas): Not applicable

Corrosion to metals: Not corrosive to metals

Sustained combustion: Not applicable

Explosion limits: - upper: Not determined - lower: Not determined

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity:	Not Applicable
Stability:	The product is stable
Hazardous decomposition products:	None reasonably foreseeable.
Materials to avoid:	Do not mix with any other product or chemical unless specified in the use directions.
Conditions to avoid:	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Skin contact, Inhalation, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Unlikely to be irritant in normal use.

Eye contact: May be mildly irritating to eyes.

Ingestion: No information available.

Inhalation: No information available.

Sensitization: No known effects.

Target Organs (SE): None known

Target Organs (RE): None known

Numerical measures of toxicity

ATE - Oral (mg/kg): >5000

ATE - Dermal (mg/kg): >5000

ATE - Inhalatory, mists (mg/l): >20

ATE - Inhalatory, vapors (mg/l): >50

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your

shipment.

DOT (Ground) Bill of Lading Description: NOT REGULATED

IMDG (Ocean) Bill of Lading Description: NOT REGULATED

15. REGULATORY INFORMATION

International Inventories at CAS# Level

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL).

RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Carboxylic Ester	Proprietary	-	-	-	-
Hydrophobic silica	67762-90-7	-	-	-	-
Methanol	67-56-1	X	X	X	X
Mixture of foam destroying polymers and polysiloxanes (800963-5024)	Proprietary	-	-	-	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Methanol	67-56-1	> 0.1 - < 1%	5000		X

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
Methanol	X		

Ingredient(s)	CAS #	NPRI
Methanol	67-56-1	X

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 0

Flammability 0

Instability 0

Special Hazards -

Revision: 2020-06-01

Version: 01.0

Reason for revision:

Not applicable

Prepared by:

North American Regulatory Affairs

Additional advice:

• Does not contain an added fragrance

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SAFETY DATA SHEET

EASY-OFF® Heavy Duty Oven Cleaner - Lemon Scent Aerosol (Canada)



HEALTH • HYGIENE • HOME

1. Product and company identification

Product name : EASY-OFF® Heavy Duty Oven Cleaner - Lemon Scent Aerosol (Canada)**Distributed by** : Reckitt Benckiser (Canada) Inc.
1680 Tech Avenue, Unit #2
Mississauga, Ontario L4W 5S9
CANADA
Telephone: +1 905 283 7000Reckitt Benckiser LLC.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
+1 973 404 2600**Emergency telephone number (Medical)** : 1-800-338-6167**Emergency telephone number (Transport)** : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887**Website:** : <http://www.rbnainfo.com>**Product use** : Oven Cleaner

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : 364200PSDS v8.0**Formulation #:** : 367270 v5.0**UPC Code / Sizes** : 14.5 oz Aerosol Can

2. Hazards identification

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 2
GASES UNDER PRESSURE - Compressed gas
CORROSIVE TO METALS - Category 1
SKIN CORROSION - Category 1
SERIOUS EYE DAMAGE - Category 1

GHS label elements

Code # : 367270_364200PSDS **SDS #** : 364200PSDS v8.0 **Date of issue** : 01/06/2018
(CAN)

364200PSDS v8.0

2. Hazards identification

Hazard pictograms :



Signal word : Danger

Hazard statements : Flammable aerosol.
Pressurized container: may burst if heated.
May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Do not spray on an open flame or other ignition source. Do not breathe dust or mist. Wash hands thoroughly after handling. Pressurized container: Do not pierce or burn, even after use.

Response : IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Store in a corrosion resistant container with a resistant inner liner.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : None known.

Hazards not otherwise classified : None known.

3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
sodium hydroxide	1 - 5	1310-73-2
butane	1 - 5	106-97-8
Diethylene glycol monobutyl ether	1- 5	112-34-5
2-aminoethanol	1 - 5	141-43-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye damage.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes severe burns.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

4. First aid measures

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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6. Accidental release measures

- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb spillage to prevent material damage. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Absorb spillage to prevent material damage.
- Conditions for safe storage, including any incompatibilities** : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store in a corrosion resistant container with a resistant inner liner. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Control

Occupational exposure limits

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8. Exposure controls/personal protection

Ingredient name	Exposure limits
sodium hydroxide	<p>ACGIH TLV (United States, 3/2015). C: 2 mg/m³</p> <p>OSHA PEL 1989 (United States, 3/1989). CEIL: 2 mg/m³</p> <p>NIOSH REL (United States, 10/2013). CEIL: 2 mg/m³</p> <p>OSHA PEL (United States, 2/2013). TWA: 2 mg/m³ 8 hours.</p>
butane	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 800 ppm 8 hours. TWA: 1900 mg/m³ 8 hours.</p> <p>NIOSH REL (United States, 10/2013). TWA: 800 ppm 10 hours. TWA: 1900 mg/m³ 10 hours.</p> <p>ACGIH TLV (United States, 6/2013). STEL: 1000 ppm 15 minutes.</p>
Diethylene glycol monobutyl ether	<p>ACGIH TLV (United States, 4/2014). TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor</p>
2-aminoethanol	<p>ACGIH TLV (United States, 4/2014). TWA: 3 ppm 8 hours. TWA: 7.5 mg/m³ 8 hours. STEL: 6 ppm 15 minutes. STEL: 15 mg/m³ 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 3 ppm 8 hours. TWA: 8 mg/m³ 8 hours. STEL: 6 ppm 15 minutes. STEL: 15 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2013). TWA: 3 ppm 10 hours. TWA: 8 mg/m³ 10 hours. STEL: 6 ppm 15 minutes. STEL: 15 mg/m³ 15 minutes.</p> <p>OSHA PEL (United States, 2/2013). TWA: 3 ppm 8 hours. TWA: 6 mg/m³ 8 hours.</p>

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- Skin protection**
- Hand protection** : Use chemical resistant gloves classified under Standard EN374 - Protective gloves against chemicals and micro-organisms.
- Examples of preferred glove barrier materials include: Nitrile/butadiene rubber ("nitrile" or "NBR"); Chlorinated polyethylene; Butyl rubber; Polyethylene.
- Examples of acceptable glove barrier materials include: Natural rubber ("latex"); Neoprene; Viton; Ethyl vinyl alcohol laminate ("EVAL").
- A glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374) is recommended.
- Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.
- NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Considering the parameters specified by the glove manufacturer, checks during use should be carried out to ensure the gloves are still retaining their protective properties.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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9. Physical and chemical properties

Appearance

Physical state	: Liquid. [Liquefied compressed gas.]
Color	: White.
Odor	: Lemon-like.
Odor threshold	: Not available.
pH	: 13.3 [Conc. (% w/w): 100%]
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.963 to 1.177
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Flow time (ISO 2431)	: Not available.
<u>Aerosol product</u>	
Type of aerosol	: Spray
Heat of combustion	: 3.817 kJ/g

10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame).
Incompatible materials	: Reactive or incompatible with the following materials: metals
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
butane	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
Diethylene glycol monobutyl ether	LD50 Dermal	Rabbit	2700 mg/kg	-
	LD50 Oral	Rat	4500 mg/kg	-
2-aminoethanol	LD50 Oral	Rat	1720 mg/kg	-

Conclusion/Summary : Harmful if swallowed.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
sodium hydroxide	Eyes - Severe irritant	Monkey	-	24 hours 1 Percent	-
	Eyes - Mild irritant	Rabbit	-	400 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 milligrams	-
	Skin - Mild irritant	Human	-	24 hours 2 Percent	-
Diethylene glycol monobutyl ether	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
2-aminoethanol	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	250 Micrograms	-
	Skin - Moderate irritant	Rabbit	-	505 milligrams	-

Conclusion/Summary

Skin : Based on Calculation method: Causes Severe Skin Burns (EU).

Eyes : Based on Calculation method: Causes serious eye damage.

Respiratory : Based on available data, the classification criteria are not met.

Sensitization

Not available.

Conclusion/Summary

Skin : Based on available data, the classification criteria are not met.

Respiratory : Based on available data, the classification criteria are not met.

Mutagenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Carcinogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

11. Toxicological information

Reproductive toxicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Teratogenicity

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes severe burns.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain
watering
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
- Ingestion** : Adverse symptoms may include the following:
stomach pains

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

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11. Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Oral	39810.2 mg/kg
Dermal	56842.1 mg/kg

12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Diethylene glycol monobutyl ether	Acute LC50 1300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours
2-aminoethanol	Acute EC50 8.42 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute LC50 >100000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 170000 µg/l Fresh water	Fish - Carassius auratus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
butane	2.89	-	low
Diethylene glycol monobutyl ether	1	-	low
2-aminoethanol	-1.31	-	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

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12. Ecological information

Other adverse effects : No known significant effects or critical hazards.
 Release of large quantities into water may cause a pH-change resulting in danger for aquatic life.

13. Disposal considerations









Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	UN1950	Aerosols, flammable	2.1 (8)	-	 	<p>Reportable quantity 20664.1 lbs / 9381.5 kg [2316.2 gal / 8767.8 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.</p> <p>Packaging instruction Passenger aircraft Quantity limitation: 75 kg Cargo aircraft Quantity limitation: 150 kg</p> <p>Special provisions N82</p>

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14. Transport information

TDG Classification	UN1950	Aerosols, flammable	2.1 (8)	-	 	<p>Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2), 2.40-2.42 (Class 8).</p> <p><u>Explosive Limit and Limited Quantity Index</u> 1</p> <p><u>Passenger Carrying Road or Rail Index</u> 75</p>
Mexico Classification	UN1950	Aerosols, flammable	2.1 (8)	-	 	<p><u>Special provisions</u> 63, 190, 277, 327, 344</p>
IMDG Class	UN1950	Aerosols, flammable	2.1 (8)	-	 	<p><u>Emergency schedules (EmS)</u> F-D, S-U</p> <p><u>Special provisions</u> 63, 190, 277, 327, 959, 344</p>
IATA-DGR Class	UN1950	AEROSOLS, flammable, containing substances in Class 8 packing group II	2.1 (8)	-	 	<p><u>Passenger and Cargo Aircraft</u> Quantity limitation: 75 kg Packaging instructions: 203</p> <p><u>Cargo Aircraft Only</u> Quantity limitation: 150 kg Packaging instructions: 203</p> <p><u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 30 kg Packaging instructions: Y203</p> <p><u>Special provisions</u> A145, A167, A802</p>

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14. Transport information

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

PG* : Packing group

15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) PAIR:** 7-hydroxycitronellal
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 311: sodium hydroxide
Clean Air Act (CAA) 112 regulated flammable substances: butane

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard
 Sudden release of pressure
 Reactive
 Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
sodium hydroxide	2.5 - 5	No.	No.	Yes.	Yes.	No.
butane	2.5 - 5	Yes.	Yes.	No.	No.	No.
Diethylene glycol monobutyl ether	2.5 - 5	Yes.	No.	No.	Yes.	No.
2-aminoethanol	2.5 - 5	Yes.	No.	No.	Yes.	No.

SARA 313

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15. Regulatory information

	Product name	CAS number	%
Form R - Reporting requirements	2-(2-butoxyethoxy)ethanol	112-34-5	4.75
Supplier notification	2-(2-butoxyethoxy)ethanol	112-34-5	4.75

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: SODIUM HYDROXIDE; BUTANE; ETHANOLAMINE
- New York** : The following components are listed: Sodium hydroxide
- New Jersey** : The following components are listed: SODIUM HYDROXIDE; CAUSTIC SODA; BUTANE; ETHANOLAMINE; ETHANOL, 2-AMINO-; GLYCOL ETHERS
- Pennsylvania** : The following components are listed: SODIUM HYDROXIDE; BUTANE; ETHANOL, 2-AMINO-; GLYCOL ETHERS

Canada

- WHMIS (Canada)** : Class B-5: Flammable aerosol.
Class E: Corrosive material

Canadian lists

- Canadian NPRI** : The following components are listed: Butane (all isomers); Diethylene glycol butyl ether
- CEPA Toxic substances** : None of the components are listed.
- Canada inventory** : All components are listed or exempted.

Label elements

- Signal word** : DANGER
- Hazard statements** : CORROSIVE CAUSES EYE AND SKIN BURNS. HARMFUL IF SWALLOWED. CONTENTS UNDER PRESSURE.
- Precautionary measures** : Keep out of the reach of children. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120 °F. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing spray. Wear suitable gloves. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
- Additional information** : If in eyes, immediately rinse eyes with water. Remove any contact lenses if present and continue rinsing for 15 minutes. If irritation persists, get medical attention. IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or physician.

16. Other information

Hazardous Material Information System (U.S.A.) :

Health	*	3
Flammability		1
Physical hazards		0
Personal protection		D

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16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.) :



NFPA (30B) aerosol Flammability Level 1

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

Date of issue : 01/06/2018
Date of previous issue : 15/02/2015.
Version : 8.0
Prepared by : Reckitt Benckiser India Ltd
 Plot No 48
 Sector - 32
 Institutional Area
 Gurgaon, Haryana
 India - 122001

Revision comments : Update of SDS.

Indicates information that has changed from previously issued version.

Notice to reader

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16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



RB is a member of the CSPA Product Care Product Stewardship Program.



SAFETY DATA SHEET

338: CONCENTRATE

Conforms to 1910.1200
Issued: May 25, 2016
Supersedes: May 27, 2015

ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: EnviroStar All Purpose Neutralizer **Product Number:** 338
Recommended Use: All purpose neutralizer
Concentrate - Dilute prior to use.
Product intended for commercial and industrial use only.
Uses Advised Against: Other than per labelled instructions

Manufacturer Address:
Amano Pioneer Eclipse Corporation
P.O. Box 909
1 Eclipse Road
Sparta, NC 28675
Telephone: 1-336-372-8080
Email: sds@pioneereclipse.com
Internet: www.pioneereclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Eye Irritation - Category 2

Signal Word: WARNING

Pictogram:



Hazard Statements:
Causes serious eye irritation.

Precautionary Statements:
Wash thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Other Hazards: None known

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
citric acid	77-92-9	7 - 13

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water, for at least 15 minutes. If easy to do, remove contact lenses if worn. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and plenty of water. If irritation develops and persists, seek medical attention.
Inhalation: If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.
Ingestion: Call a physician or poison control center. Do not induce vomiting. Seek medical advice.



SAFETY DATA SHEET

338: CONCENTRATE

Conforms to 1910.1200
Issued: May 25, 2016
Supersedes: May 27, 2015

ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Can be irritating to eyes.
Skin Contact: May cause mild irritation.
Inhalation: Spray mist may cause irritation to nose, throat and lungs.
Ingestion: May cause irritation to mouth, esophagus and stomach.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing media: Water spray, CO₂, dry chemical, alcohol-type or universal type foams
Specific Hazards: Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.
Protective Equipment and Precautions: Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C / 212° F

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.
Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.
Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.
Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists.
Conditions for Safe Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F)
Other Information: Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: None
Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists.
Skin Protection: Chemical resistant gloves are recommended.
Respiratory Protection: No personal protective equipment required with normal use. General room ventilation should be adequate.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, colorless liquid
Odor: no added fragrance
Odor Threshold: data not available
pH: 2.5



SAFETY DATA SHEET
338: CONCENTRATE

Conforms to 1910.1200
Issued: May 25, 2016
Supersedes: May 27, 2015

ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

Freezing Point: data not available
Boiling Point: data not available
Flash Point: > 200 °F / > 93°C
Evaporation Rate: less than water
Flammability (solid/gas): not applicable to liquids
Flammability limits: data not available
Vapor Pressure: data not available
Vapor Density: data not available
Relative Density: 8.7 lb/gal @ 68°F/ 1.05 kg/l @ 20 °C
Solubility: miscible in water
Partition Coefficient: data not available
Auto Ignition temperature: data not available
Decomposition Temperature: data not available
Viscosity: < 10 centipoise @ 68 °F (20 °C)
VOC: 0.04% (as supplied), < 0.01% (1:10, 1:64, 1:128)

10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.
Stability: Stable under normal conditions.
Hazardous reactions: None expected.
Conditions to avoid: None known.
Incompatible materials: Do not mix with other chemicals unless stated on the product label.
Hazardous decomposition products: None known.

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

LOCAL EFFECTS		SPECIFIC EFFECTS	
Skin contact:	May cause irritation.	Carcinogenicity:	None known
Eye contact:	Causes irritation.	Reproductive effects:	None known
Sensitization:	None expected	Teratogenicity:	None known
Chronic effects:	None expected	Mutagenicity:	None known

COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC ₅₀ Inhalation-Rat (mg/l)
citric acid	3000	not available	not available

Carcinogenicity: Components are not known to be classified as carcinogens. (IARC, NTP, OSHA).

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Data not available.
Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Other Adverse Effects: Data not available.

13: DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

UN Number: None
UN Proper Shipping Name: None
Hazard Class: None



SAFETY DATA SHEET 338: CONCENTRATE

Conforms to 1910.1200
Issued: May 25, 2016
Supersedes: May 27, 2015

ENVIROSTAR GREEN™ ALL PURPOSE NEUTRALIZER

Packing Group:	None
Marine Pollutant:	None
Transport in Bulk:	N/A
Other Information:	None

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING:	Components are not subject to US Reporting (SARA 302/304, 313, CERCLA)
STATE RIGHT-TO-KNOW STATUS:	Components are not subject to State RTK listing (MA, NJ, PA, RI)
CALIFORNIA PROPOSITION 65:	Components are not present on CA Prop 65 listing.
CANADA REGULATIONS/REPORTING:	This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (<i>HPR</i>) and the SDS contains the information required by the <i>HPR</i> .

16: OTHER INFORMATION

Abbreviations Used:

N/A - Not applicable
N/E - Not Established
N/L - Not Listed

Revision Information:

May 25, 2016 - Logo change, email address, minor edits

Health:	2
Flammability:	0
Reactivity:	0

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnish of such information.

This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****

1 Identification

- **Product name:** EP67 Heavy Duty Industrial Degreaser
- **Other means of identification (Article number):** 2105
- **Recommended use:**
Industrial Degreaser
No Fragrance Added
- **Restrictions on use:** All other uses than those indicated on the product label and technical data sheet
- **Uses advised against:** All other uses than those indicated on the product label and technical data sheet.
- **Manufacturer:**
Avmor LTD
950, Michelin
Laval, QC, H7L 5C1
Canada
1-800-387-8074
www.avmor.com
- **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard identification

- **Classification of the product as sold:**
Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**
- **Hazard pictograms:**



GHS05

- **Signal word:** Danger
- **Hazard statements:**
Causes serious eye damage.
- **Precautionary statements:**
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center/doctor.
- **Classification system**
- **NFPA ratings (scale 0 - 4):**



Health = 1
Fire = 0
Reactivity = 0

- **Hazard not otherwise classified:** None Known

Product name: EP67 Heavy Duty Industrial Degreaser

(Contd. of page 1)

- **Notes:** For the wording of the listed abbreviations refer to section 16.

- **Product AT USE DILUTION:** N/A

3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Aqueous mixture consisting of the following components:
- **Components:**

No. Cas	Designation	Concentration(%)
68551-12-2	Alcohols C12-C16 ethoxylated	3-7% *
68439-46-3	Alcohols, C9-11 ethoxylated, < 2.5 EO	3-7% *
497-19-8	Sodium Carbonate	1-5% *
1300-72-7	Sodium Xylenesulphonate	1-5% *

* Actual concentration ranges are withheld as a trade secret.

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** Rarely cause discomfort; supply fresh air and consult physician in case of complaints.
- **After skin contact:**
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
- **After ingestion:** If symptoms persist consult a doctor.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing media:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **Specific hazards arising from the product:** No further relevant information available.
- **Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- **Additional information:** This product is not flammable.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

Product name: EP67 Heavy Duty Industrial Degreaser

(Contd. of page 2)

See Section 13 for disposal information.

7 Handling and storage

- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Conditions for safe storage, including any incompatibilities:** Keep in the original receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/ Personal protection

- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls:**
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.
- **Undiluted Product**
- **Personal protective equipment:**



Gants résistants aux acides (recommandé)



Safety glasses (Suggested)

- **General protective and hygienic measures:**
Avoid contact with the eyes and skin.
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
 - **Breathing equipment:** Not required.
 - **Protection of hands:**
Protective Gloves
Check protective gloves prior to each use for their proper condition
 - **Eye protection:** Safety glasses are suggested when using this product in heavy use and institutional environments
-
- **Product AT USE DILUTION:**
 - **Eye protection:** Safety glasses suggested under normal use conditions.

9 Physical and chemical properties

- **Form:** Clear Liquid
- **Colour:** Colorless
- **Odour:** Odourless
- **Odor threshold:** Not determined

(Contd. on page 4)

Product name: EP67 Heavy Duty Industrial Degreaser

(Contd. of page 3)

· pH-Value:	9.0 – 11.0
· pH Value (diluted product):	9 - 11 (Dilution 1:10)
· Melting point/Freezing point:	Not determined
· Boiling point/Boiling range:	100 °C
· Fusion temperature / range:	Not determined
· Flash point:	Not determined
· Flammability (solid, gaseous):	Not applicable
· Ignition temperature:	N/D
· Decomposition temperature:	Not determined
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Relative density:	1.050-1.060
· Vapour density (air=1):	<1 (aqueous solution)
· Evaporation rate:	Not determined
· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient (n-octanol/water):	Not determined
· Solvent content:	
VOC content:	N/D 0.9 g/l / 0.01 lb/gal

10 Stability and reactivity

- **Reactivity:** Not determined.
- **Chemical stability:** The product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Reacts with acids.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

11 Toxicological information

- **Information on the likely routes of exposure** Skin and eyes contact

(Contd. on page 5)

Product name: EP67 Heavy Duty Industrial Degreaser

(Contd. of page 4)

· Numerical measures of acute toxicity:

· Components Mean of exposure	Type	Value (Species)
ATE (Acute Toxicity Estimate)		
Oral	LD50	6,612-7,465 mg/kg
Dermal	LD50	>17,109 mg/kg
Inhalative	LC50 (4 h)	>218 mg/L (Rat)

68551-12-2 Alcohols C12-C16 ethoxylated

Oral	LD50	2,000-5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	(Rat)
Irritation of eyes	OECD, guideline 405	1 (Rabbit)

497-19-8 Sodium Carbonate

Oral	LD50	4,090 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	2,300 mg/L (Rat)

1300-72-7 Sodium Xylenesulphonate

Oral	LD50	>7,000 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50	>2,000 mg/kg (Rabbit) (OECD Guideline 402)
Inhalative	LC50 (4 h)	>6.41 mg/L (Rat) (Nebulization (mist))
Irritation of skin	OECD guideline 404	3 (Rabbit)
Irritation of eyes	OECD, guideline 405	2 (Rabbit)
Sensitization	OECD guideline 429	(guinea pig)
	Carcinogenicity (OECD 453)	>727 mg/ kg (Mouse) (Not Classified.)

· Symptoms related to the physical, chemical and toxicological characteristics

· **If on the skin:** May cause irritation by prolonged contact with skin.

· **If on the eye:**

CORROSIVE: Strong caustic effect.

Strong irritant with the danger of severe eye injury.

· **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

· **Sensitization:** No sensitizing effects known.

· **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**

Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.

· Carcinogenic categories:

· IARC (International Agency for Research on Cancer)		
67-63-0	Propan-2-ol	3

· NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information**· Persistence and degradability:**

The surfactants and organic compounds contained in this product are readily biodegradable according to the OECD 301 guideline.

· **Bioaccumulative potential:** Does not accumulate in organisms.

· **Mobility in soil:** Not determined

(Contd. on page 6)

Product name: EP67 Heavy Duty Industrial Degreaser

(Contd. of page 5)

- **Ecotoxicity:** No relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations· **Waste treatment methods recommendation:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements. Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.

· **Uncleaned packagings recommendation:**

Do not re-use empty containers. Dispose of packaging according to regulations on the disposal of packagings.

· **Recommended cleansing agent:**

Water

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** Not regulated.
- **UN proper shipping name**
- **DOT, IMDG, IATA** Not regulated.
- **Transport hazard class(es)**
- **DOT, IMDG, IATA**
- **Class** Not regulated.
- **Packing group**
- **DOT, IMDG, IATA** Not regulated.
- **Special precautions for user** Not applicable.
- **UN "Model Regulation":** Not regulated.

***15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Canadian substance listings**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

497-19-8 | Sodium Carbonate

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

(Contd. on page 7)

Product name: EP67 Heavy Duty Industrial Degreaser

(Contd. of page 6)

· **Department issuing SDS:**

Prepared by :
Regulatory Affairs Department

· **Contact:** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012

**GOO
GONE**

Product: Paint Clean Up Wipes- 2062, 2222

Revision Date: 26-Jan-2018

SECTION 1 – IDENTIFICATION

Product Identifier

Product Name: Paint Clean Up Wipes

Product Code: 2062, 2222

Recommended Use of the Chemical and Restrictions for Use

Recommended Use: Multipurpose paint cleaner.

Restrictions for Use: Use only as directed.

Details of the Supplier

Manufacturer: Goo Gone
755 Tri-State Parkway
Gurnee, IL 60031
855-364-8135

Emergency Phone Number

24-Hour Number: 1-800-535-5053

International: 1-352-323-3500

SECTION 2 – HAZARDS IDENTIFICATION

Classification

Not classified.

Label Elements

Hazard Symbols(s): None

Signal Word(s): None

Hazard Statement(s): None

Precautionary Statement(s): None

Other Hazards

None

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

None by OSHA criteria.

SECTION 4 – FIRST AID MEASURES

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Eye Contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control.

Skin: In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops or persists.

Most Important Symptoms and Effects (Acute and Delayed)

Inhalation: May cause respiratory tract irritation.

Eye Contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Indication of any Immediate Medical Attention and Special Treatment Needed

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Revision Date: 26-Jan-2018

Product: Paint Clean Up Wipes- 2062, 2222

Note to Physician: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable: Carbon dioxide or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable: None known.

Specific Hazards Arising from Chemical

None

Protective Equipment and Precautions for Firefighters

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Use personal protective equipment as recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: See Section 12 for ecological information.

Methods and Material for Containment and Cleaning Up

Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

General Hygiene Advice: Launder contaminated clothing before use. Wash hands before eating, drinking, or smoking.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store in a dry area. Keep in well-ventilated area. Store at temperature below 40°C, not under direct sunlight. Keep out of the reach of children. Keep container tightly closed.

Incompatible Materials: None known.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

No data available.

Exposure Guidelines:

No data available.

Appropriate Engineering Controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Respiratory Protection: Not required under normal use conditions. In case of inadequate ventilation wear respiratory protection.

Skin and Body Protection: Not required under normal use conditions.

Eye/Face Protection: Not required under normal use conditions.

General Work/Hygienic Practices: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety practices.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White wipes saturated with solution

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Revision Date: 26-Jan-2018

Product: Paint Clean Up Wipes- 2062, 2222

Odor: Characteristic

Odor threshold: Not determined

pH: 6.0

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

Flash point: >100°C TCC

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability or explosive limits: Not determined

Vapor pressure: Not determined

Vapor density: Not determined

Relative density: Not determined

Solubility(ies): Not determined

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None under normal use.

Conditions to avoid: Heat. Keep away from open flame. Store at temperature below 40°C.

Incompatible materials: None known.

Hazardous decomposition products: May include and are not limited to: oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity

Product	
ATE (oral)	Not available
ATE (dermal)	Not available
ATE (inhalation)	Not available

Component Information:

None

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Not established

Persistence and degradability: Not established

SAFETY DATA SHEET

Confirms to OSHA Hazard Communication Standard (CFR 29 1910.1200) HazCom 2012



Revision Date: 26-Jan-2018

Product: Paint Clean Up Wipes- 2062, 2222

Bioaccumulative potential: Not established

Mobility in soil: Not established

Other adverse effects: No additional information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

See section 8 of this SDS for exposure controls and personal protection.

Dispose of the product and container in accordance with all applicable local, state, and federal regulations.

SECTION 14 – TRANSPORT INFORMATION

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

DOT (Ground): Not regulated

IATA (Air): Not regulated

IMDG (Vessel): Not regulated

SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration (OSHA) applicable to this Safety Data Sheet differ from the requirements of the CPSC and as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

SECTION 16 – OTHER INFORMATION

Issue Date: 30-Mar-2015

Revision Date: 26-Jan-2018

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

Pinosan

(DIN 02213133)



1 Chemical product and company identification / Identification du produit chimique et de l'entreprise

1.1. Product identifier

Product name: Pinosan
 Product form: Liquid
 Product code: 53016, 53017, 53018

1.1. Identificateur du produit

Nom du produit : Pinosan
 État du produit : Liquide
 Code du produit : 53016, 53017, 53018

1.2. Relevant identified uses of chemical product and uses advised against

Recommended use: Hard surface disinfectant.
 Restriction on use: For intended use only.

1.2. Utilisations pertinentes identifiées du produit chimique et utilisations non recommandées

Usage du produit : Désinfectant pour surfaces dures.
 Utilisation déconseillée : Pour usage destiné seulement.

1.3. Details of the supplier of the safety data sheet

Dustbane Products Ltd.
 25 Pickering Pl.
 Ottawa, Ontario K1G 5P4
 T: 1-800-387-8226 F: 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.3. Détails du fournisseur de la fiche signalétique

Les Produits Dustbane Ltée
 25 pl. Pickering
 Ottawa, Ontario K1G 5P4
 T : 1-800-387-8226 F : 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.4. Emergency telephone number

CANUTEC: 1-613-996-6666 (Collect)

1.4. Numéro de téléphone d'urgence

CANUTEC : 1-613-996-6666 (À frais virés)

2 Hazard(s) identification / Reconnaissance des dangers

2.1. Classification of the chemical product

General: Not controlled under WHMIS 2015.

2.1. Classification du produit chimique

Générale : Non réglementé sous SIMDUT 2015.

2.2. Label elements

Classification: Not controlled under WHMIS 2015.

2.2. Éléments de l'étiquette

Classification : Non réglementé sous SIMDUT 2015.

3 Composition/information on ingredients // Composition/information sur les ingrédients

3.2. Mixture

Dangerous components:

3.2. Mélange

Composants dangereux :

Chemical name / Nom du produit chimique	CAS number / Numéro CAS	Quantity / Quantité (%)
Didecyltrimethylammonium chloride	7173-51-5	1 – 5
Alkyl(C12-C16)dimethylbenzylammonium Chloride	68424-85-1	0.1 – 1
Tetrasodium ethylenediaminetetraacetate	64-02-8	0.1 – 1
Alcohols (C12-15) ethoxylate / Alcool (C12-15) éthoxylate	68131-39-5	0.1 – 1
Ethanol / Éthanol	64-17-5	0.1 – 1
Fragrance / Parfum	Mixture / Mélange	0.1 – 1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Il n'existe pas d'autres ingrédients présents qui, dans la connaissance actuelle du fournisseur et dans les concentrations applicables, soient classés comme dangereux pour la santé et doivent donc être signalés dans cette section.

4 First aid / Premiers soins

4.1. Description of first aid measures

General: Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.

Inhalation: Move person to fresh air and keep comfortable for breathing. Get medical attention.

Ingestion: Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.

Skin: Remove immediately all contaminated clothing. Wash with soap and water and rinse thoroughly. If skin irritation or a rash occurs: Get medical advice/attention.

Eyes: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so – continue rinsing.

4.2. Most important symptoms and effect, both acute and delayed

Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

5 Firefighting measures / Mesures de lutte contre l'incendie

5.1. Extinguishing media

Use extinguishing media appropriate for the surrounding fire. Water spray, fog, mist, dry chemical, sand, etc.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Unknown.

Exposure hazards: In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen oxides (NOx).

5.3. Advice for firefighters

Protection during firefighting: Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

Other information: This product is not flammable.

4.1. Description des mesures de premiers soins

Générale : Enlever immédiatement les vêtements contaminés par le produit. Laver les vêtements contaminés avant de les réutiliser.

Inhalation : Transporter la victime à l'extérieur et garder la confortable pour respirer. Obtenir des soins médicaux.

Ingestion : Buvez beaucoup d'eau et de l'air frais. Appeler immédiatement un médecin. Ne pas faire vomir.

Contact avec la peau : Enlever immédiatement tous les vêtements contaminés. Laver avec du savon Et rincer soigneusement. En cas d'irritation cutanée ou d'éruption cutanée: Consulter un médecin.

Contact avec les yeux : Rincer les yeux pendant plusieurs minutes sous l'eau courante. Retirer les lentilles de contact si elle est présente et facile à faire - continuer à rincer.

4.2. Principaux symptômes et effets, tant aigus que différés

Provoque des lésions oculaires graves.

4.3. Indications sur les éventuels soins médicaux et traitements particuliers nécessaires

Traiter les symptômes.

5.1. Moyens d'extinctions

Utiliser n'importe quel moyen d'extinction adéquat pour le feu environnant. Eau pulvérisée, brouillard, brume, poudre chimique sèche, sable, etc.

5.2. Dangers particuliers résultant de la substance ou du mélange

Risque d'incendie : Non connu.

Dangers dus à l'exposition : En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation de l'eau: hydrocarbures, monoxyde de carbone et dioxydes (COx) et oxydes d'azote (NOx).

5.3. Conseils aux pompiers

Protection lors de lutte contre l'incendie : Port de vêtements protecteurs appropriés si incendie dans espace confiné. Utiliser un équipement de respiration autonome.

Autre information : Ce produit est ininflammable.

6 Accidental release measures / Mesures à prendre en cas de dispersion accidentelle

6.1. Personal precautions, protective equipment and emergency procedures

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

6.1. Précautions individuelles, équipement de protection et procédures d'urgence.

Toutes les personnes qui s'occupe du le nettoyage doivent porter de l'équipement de protection approprié. Garder les personnes à l'écart de l'endroit de déversement / fuite. Restreindre l'accès à la zone jusqu'à la fin du nettoyage. Se référer aux mesures de protection énumérées dans les sections 7 et 8.

6.2. Environmental precautions

No special measures required.

6.2. Précautions pour la protection de l'environnement

Aucune mesure spéciale nécessaire.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.

6.3. Méthodes et matériel de confinement et de nettoyage

Méthodes de nettoyage : Ne laissez pas le matériel de contaminer les eaux souterraines. Si nécessaire, ériger une barricade bien en avant du déversement pour empêcher l'écoulement dans les égouts ou les cours d'eau naturel ou les sources d'eau potable. Aérer la zone. Éviter une fuite ou un déversement s'il est sécuritaire de le faire. Entourez et absorber le déversement avec un matériel liant les liquides (sable, diatomite, acide, liant universel, sciure). Éliminer les matériaux contaminés en tant que déchets conformément à la section 13. Assurer une ventilation adéquate.

Other information: None.

Autres informations : Aucune.

6.4. Reference to other sections

Not applicable.

6.4. Référence aux autres sections

Non applicable.

7 Handling and storage / Manipulation et entreposage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.

7.1. Précautions à prendre pour une manipulation sans danger

Manipuler conformément aux normes d'hygiène industrielle et aux consignes de sécurité. Utiliser de l'équipement de protection recommandée dans la section 8. Éviter le contact avec la peau, les yeux ou les vêtements. Se laver le visage, les mains et toute peau exposée, après manipulation.

7.2. Conditions for safe storage, including incompatibilities

Keep container tightly closed and store in a in a cool, dry conditions at no more than 30°C. Keep out of reach of children.

7.2. Conditions d'entreposage sécuritaire ; y compris toutes incompatibilités

Conserver le récipient bien fermé et entreposer dans des conditions fraîches et sèches à pas plus de 30 °C. Tenir hors portée des enfants.

8 Exposure control and personal protection / Contrôle de l'exposition et protection personnelle

Chemical name / Nom du produit chimique	CAS number / Numéro CAS	ACGIH	OSHA PEL
Ethanol / Éthanol	64-17-5	1000 ppm STEL (ACGIH) 1000 ppm TWA (NIOSH)	1000 ppm

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.1. Paramètres de contrôle

Le produit ne contient pas de substance présentant des valeurs en quantité significative qui nécessite une surveillance en lieu de travail.

8.2. Exposure control

Appropriate engineering controls: Ensure appropriate ventilation.

Hand protection:	Wear protective gloves.
Eye protection:	Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.
Skin and body protection:	Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective regimens.
Respiratory protection:	If airborne concentrations are above the permissible exposure limit or arc not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134). Advice should be sought from respiratory protection specialists
Environmental exposure control:	Avoid release to the environment.

8.2. Contrôle d'exposition

Contrôles d'ingénierie appropriés : Assurer une ventilation approprié.

Protection des mains :	Porter des gants de protection.
Protection oculaire :	Portez une protection pour les yeux/visage. Porter des lunettes de protection étanches selon le cas; Lunettes de sécurité avec protections latérales.
Protection de la peau et du corps :	Porter des gants de protection. Lorsqu'une exposition prolongée au produit est possible, utilisez des combinaisons résistantes, un tablier et des bottes pour éviter tout contact. L'aptitude à un lieu de travail spécifique devrait être discuté avec les producteurs des régimes de protection.
Protection respiratoire :	Si les concentrations atmosphériques sont supérieures à la limite d'exposition admissible ou de l'arc ne sait pas, utiliser un respirateur approuvé par le NIOSH. Les respirateurs doivent être choisis en fonction de la forme et la concentration des contaminants dans l'air, et conformément à l'OSHA (29 CFR 1910.134). Il faut se renseigner auprès de spécialistes de la protection des voies respiratoires.

Contrôle de l'exposition environnementale : Éviter le rejet dans l'environnement.

9 Physical and chemical properties / Propriétés physiques et chimiques

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.
Odour:	Pine.
Odour threshold:	Not determined.
Colour:	Green.
pH (at 25°C):	7.5 – 8.0
Melting point:	Not applicable
Boiling point:	~ 100°C
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not applicable.
Explosive limit:	Not determined.
Explosive properties:	
• Lower limit:	Not determined.
• Upper limit:	Not determined.
Oxydising properties:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Density (at 25°C):	0.996 – 1.006
Relative density:	Not determined.
Solubility in water:	Miscible.
Partition Coefficient:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.
Viscosity:	Not determined.

9.1. Informations sur les propriétés physiques et chimiques essentielles

Aspect :	Liquide.
Odeur :	Pin.
Seuil olfactif :	Non déterminé.
Couleur :	Vert.
pH (à 25 °C) :	7,5 – 8,0
Point de fusion :	Non applicable.
Point d'ébullition :	~ 100 °C
Point d'éclair :	Non déterminé.
Taux d'évaporation :	Non déterminé.
Inflammabilité (solide, gaz) :	Non applicable.
Limite d'explosion :	Non déterminé.
Propriétés explosives :	
• Limite inférieure :	Non déterminé.
• Limite supérieure :	Non déterminé.
Propriétés oxydantes :	Non déterminé.
Pression de la vapeur :	Non déterminé.
Densité de la vapeur :	Non déterminé.
Densité (à 25 °C) :	0,996 – 1,006
Densité relative :	Non déterminé.
Solubilité dans l'eau :	Miscible.
Coefficient de partition :	Non déterminé.
Température d'auto-ignition :	Ce produit n'est pas auto-inflammable.
Température de décomposition :	Non déterminé.
Viscosité :	Non déterminé.

9.2. Other information

No additional information available.

9.2. Autres informations

Aucune information additionnelle de disponible.

10 Stability and reactivity / Stabilité et réactivité

10.1. Reactivity

Not determined.

10.1. Réactivité

Non déterminé.

10.2. Chemical stability

No decomposition if used according to specifications.

10.2. Stabilité chimique

Pas de décomposition si utilisée selon les spécifications.

10.3. Possibility of hazardous reactions

None known.

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions to avoid

Avoid extreme heat and naked flames.

10.4. Conditions à éviter

Éviter les températures extrêmes et les flammes nues.

10.5. Incompatible materials

Strong acids, strong reducing and reducing agents.

10.5. Matières incompatibles

Les acides forts, agents réducteurs et oxydants fort.

10.6. Hazardous decomposition products

In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen oxides (NOx).

10.6. Produits de décomposition dangereux

En cas d'incendie accidentel et des conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation de l'eau: hydrocarbures, monoxyde de carbone et dioxydes (COx) et oxydes d'azote (NOx).

11 Toxicological information / Information toxicologique

11.1. Information on toxicological effects

Information on the likely routes of exposure: Skin and eye contact.

11.1. Informations sur les effets toxicologiques

Informations sur les voies d'exposition probables: Contact avec la peau et les yeux.

Acute toxicity:

Toxicité aiguë :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Pinosan (ATE)	LD50 (Oral) LD50 (Dermal)	>5,000 mg/kg (rat) >5,000 mg/kg (rabbit)
Didecyldimethylammonium chloride	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	430 mg/kg 3,560 mg/kg No information available / Aucune information de disponible
Alkyl(C12-C16)dimethylbenzylammonium Chloride	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	238 mg/kg (rat) 3,342 mg/kg (rat) No information available / Aucune information de disponible
Tetrasodium ethylenediaminetetraacetate	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	3,030 mg/kg (rat) >5,000 mg/kg (rabbit) No information available / Aucune information de disponible
Alcohols (C12-15) ethoxylate / Alcool (C12-15) éthoxylate	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)
Ethanol / Éthanol	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	10,470 mg/kg (rat) No information available / Aucune information de disponible 117 - 125 mg/kg (rat)
Fragrance / Parfum	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	No information available / Aucune information de disponible No information available / Aucune information de disponible No information available / Aucune information de disponible

- Symptoms related to the physical, chemical and toxicological characteristics:
- If inhaled: Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
 - If on skin: CORROSIVE: Strong caustic effect on skin and mucous membranes.
 - If in eyes: CORROSIVE: Strong caustic effect. Strong irritant with the danger of severe eye injury.
 - After ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
 - Sensitization: No sensitizing effects known.

- Symptômes liés aux caractéristiques physiques, chimiques et toxicologiques :
- En cas d'inhalation : Les vapeurs peuvent provoquer une irritation des voies respiratoires. L'inhalation de grandes quantités peut provoquer un inconfort, des nausées, des étourdissements, des maux de tête, narcose et l'inconscience.
 - Si sur la peau : CORROSIF: Forte action caustique sur la peau et les membranes muqueuses.
 - Si dans les yeux : CORROSIF: Forte action caustique. Fortement irritant avec le danger de lésions oculaires graves.
 - Après l'ingestion : Peut provoquer une irritation des voies gastro-intestinales, des nausées, des vomissements et la diarrhée.
 - Sensibilisation : Aucun effet sensibilisant connu.

Delayed and immediate effects, and chronic effects from short term and long term exposure:

- Prolonged or frequent contact can cause eczema and inflammation of the skins as a result of degreasing.
- Germ cell mutagenicity: Not classified.
- Carcinogenicity: None of the ingredients are listed as carcinogens by IARC, ACGIH, OSHA or NTP.
- Reproductive toxicity: Not classified.
- Specific target organ toxicity:
 - Single exposure: Not classified.
 - Repeated exposure: Not classified.
- Aspiration hazard: Not classified.

Effets effets différés et immédiats et chroniques de court terme et de l'exposition à long terme:

- Un contact prolongé ou fréquent peut provoquer de l'eczéma et de l'inflammation la peau en raison de dégraissage.
- Mutagénéité des cellules germinales : Non classé.
- Cancérogénicité : Aucun des ingrédients sont listés par IARC, ACGIH, NTP et OSHA.
- Toxicité pour la reproduction : Non classé.
- Toxicité pour certains organes cibles :
 - Exposition unique : Non classé.
 - Exposition répétée : Non classé.
 - Danger par aspiration : Non classé.

12 Ecological information / Informations écologiques

12.1. Toxicity

Ecology:

12.1. Toxicité

Écologie :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Didecyltrimethylammonium chloride	LC50 (Danio rerio, 96 hr) LC50 (Daphnia magna, 48 hr) NOEC (Daphnia magna, 21 d) EC50 (Algae, 72 hr)	0.97 mg/kg 0.057 mg/kg 0.021 mg/kg 0.062 mg/l
Alkyl(C12-C16)dimethylbenzyl-ammonium Chloride	LC50 (Lepomis macrochirus, 96 hr) NOEL (Daphnia magna)	0.515 mg/l 0.0042 mg/kg (rat)
Tetrasodium ethylenediaminetetraacetate	LC50 (Pimephales promelas, 96 hr) LC50 (Lepomis macrochirus, 96 hr)	>100 mg/l 157 – 2,070 mg/l
Alcohols (C12-15) ethoxylate / Alcool (C12-15) éthoxylate	EC50 (Algae, 72 hr) EC50 (Daphnia magna, 48 hr) LC50 (Fish, 96 hr)	10 – 100 mg/l 5 – 10 mg/l 5 – 10 mg/l
Ethanol / Éthanol	EC50 (Algae, 72 hr) EC50 (Daphnia magna, 48 hr) LC50 (Pimephales promelas, 96 hr) NOEL (Daphnia magna, 9 d)	675 mg/l 5,012 mg/l 14,200 mg/l 9.6 mg/l
Fragrance / Parfum	No information available / Aucune information de disponible	None / Aucun

12.2. Persistence and degradability

Solution is readily biodegradable based on components.

12.2. Persistance et dégradabilité

La solution est facilement biodégradable basé sur les composants.

12.3. Bioaccumulative potential

Not available.

12.3. Potentiel de bioaccumulation

Non disponible.

12.4. Mobility in soil

Not available.

12.4. Mobilité dans le sol

Non disponible.

12.5. Other adverse effects

Not available.

12.5. Autres effets adverses

Non disponible.

13 Disposal considerations / Considérations relatives à l'élimination

13.1. Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

13.1. Méthodes relatives au traitement des déchets

Recommandation : Ne pas disposer avec les ordures ménagères. Ne pas laisser pénétrer les systèmes d'égout.

13.2. Waste from residues / unused products

Recommendation: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Recommended cleansing agent: Water.

13.2. Élimination des emballages contaminés

Recommandation : L'élimination doit être faite en conformité avec toutes les réglementations fédérales, d'états, provinciales et locales. Contactez votre agence environnementale locale, régionale, provinciale ou fédérale pour les règlements spécifiques.

Agent de nettoyage recommandé : Eau.

14 Transport information / Information sur le transport

Product is not regulated as hazardous.

Ce produit n'est pas classifié comme dangereux.

	14.1. UN number / Numéro ONU	14.2. UN proper shipping name / Nom propre pour l'expédition de l'ONU	14.3. Transport hazard class(es) / Classe(s) de danger	14.4. Packing group / Groupe d'emballage	14.5. Environmental hazards / Dangers pour l'environnement
TDG	None / Aucun	Not regulated / Pas réglementé	None / Aucun	None / Aucun	None / Aucun
DOT					

14.6. Special precautions for user

None specified.

14.6. Précautions spéciales pour l'utilisateur

Aucune identifiée.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

14.7. Transport en vrac conformément à l'Annexe II du MARPOL 73/78 et du code IBC

Non disponible.

15 Regulatory information / Renseignements sur la réglementation

15.1. Regulations

None specified.

15.1. Réglementation

Aucune identifiée.

16 Other information / Autres renseignements

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Date de préparation : 01/03/2017

Abbreviations and acronyms:	ACGIH: American Conference of Governmental Industrial Hygienists	Abréviations et acronymes :	ACGIH : <i>American Conference of Governmental Industrial Hygienists</i>
	CAS No.: Chemical Abstract Service (division of the American Chemical Society)		N° CAS. : <i>Chemical Abstract Service (division de l'American Chemical Society)</i>
	cPs: Centipoise		CIRC : <i>Centre international de Recherche sur le Cancer</i>
	D: Days		cPo: Centipoise
	DOT: US Department of Transport		D : Jours
	Hr: Hours		DIVS : Danger immédiat pour la vie ou la santé
	EC50: Effective Concentration, 50 percent		DOT : Département des transports É.-U.
	IC50: Inhibitory Concentration, 50 percent		H : Heures
	LD50: Lethal Dose, 50 percent		EC50 : Concentration efficace, 50 pourcent
	LC50: Lethal Concentration, 50 percent		IC50: Concentration inhibitrice, 50 pourcent
	IARC: International Agency for Research on Cancer		INCI : Nomenclature internationale des ingrédients cosmétiques
	IDLH: Immediately Dangerous to Life or Health		LD50 : Dose mortel, 50 pourcent
	INCI: International Nomenclature of Cosmetic Ingredients		LC50 : Concentration mortel, 50 pourcent
	MSHA: Mine Safety and Health Administration		MSHA : <i>Mine Safety and Health Administration</i>
	NTP: National Toxicology Program		NTP : <i>National Toxicology Program</i>
	NOEC: No Observed Effect Concentration		NOEC : Aucun effet observé concentration
	NOEL: No Observed Effect Level		NOEL : Aucun effet observé niveau
	NOISH: US National Institute for Occupational Safety and Health		NOISH : <i>US National Institute for Occupational Safety and Health</i>
	OSHA: Occupational Safety and Health Administration		OSHA : <i>Occupational Safety and Health Administration</i>
	PEL: Permissible Exposure Limit		PEL : Limite d'exposition admissible
	PVC: Polyvinyl chloride		PVC : Chlorure de polyvinyle
	STEL: Short-Term Exposure Limit		STEL : Limite d'exposition à court terme
	TDG: Transport Canada Transportation of Dangerous Goods		TDG : Transport Canada Transport des marchandises dangereuses
	TWA: Time Weighted Average		TWA : Durée moyenne pondérée
	N/A: Not Applicable		N/A : Non applicable

Disclaimer / Statement of liability:

While the descriptions, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application / use, we recommend that you perform an assessment to determine the suitability of the product for your particular purpose prior to use. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. No warranties of any kind, either expressed or implied, including fitness for a particular purpose are made regarding the product described. We assume NO responsibility for any injuries resulting from misuse or misapplication of this product or that might be sustained because of inhalation, ingestion, absorption or other contact with this product. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

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Bien que les descriptions, les données et les informations contenues dans ce document sont présentées de bonne foi et considérées comme exactes, il est fourni à titre indicatif seulement. Parce que de nombreux facteurs peuvent influencer sur le traitement ou l'application / utilisation, nous vous recommandons d'effectuer une évaluation afin de déterminer l'adéquation du produit pour votre usage particulier avant l'utilisation. Rien ici ne doit être interprété comme une recommandation de contrefaire des brevets existants ou d'enfreindre les lois ou règlements. Aucune garantie d'aucune sorte, expresse ou implicite, y compris l'aptitude à un usage particulier n'est faite concernant le produit décrit. Nous déclinons toute responsabilité pour toute blessure résultant d'une mauvaise utilisation ou d'une mauvaise de ce produit ou pourrait être soutenue en raison de l'inhalation, l'ingestion, l'absorption ou tout autre contact avec ce produit. En aucun cas, les légendes, les informations ou les données fournies ne doivent être considérées comme une partie de nos conditions générales de vente. En outre, les descriptions, les données et les informations fournies ci-dessous sont données gratis. Aucune obligation ou responsabilité pour la description, les données et informations fournies sont supposées. Tout comme étant donné et accepté à vos risques.

Polar



1 Chemical product and company identification / Identification du produit chimique et de l'entreprise

1.1. Product identifier

Product name: Polar
Product form: Liquid
Product code: 50216, 50218

1.1. Identificateur du produit

Nom du produit : Polar
État du produit : Liquide
Code du produit : 50216, 50218

1.2. Relevant identified uses of chemical product and uses advised against

Recommended use: Hard Surface Cleaner.
Restriction on use: For intended use only.

1.2. Utilisations pertinentes identifiées du produit chimique et utilisations non recommandées

Usage du produit : Nettoyant pour surfaces dures.
Utilisation déconseillée : Pour usage destiné seulement.

1.3. Details of the supplier of the safety data sheet

Dustbane Products Ltd.
25 Pickering Pl.
Ottawa, Ontario K1G 5P4
T: 1-800-387-8226 F: 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.3. Détails du fournisseur de la fiche signalétique

Les Produits Dustbane Ltée
25 pl. Pickering
Ottawa, Ontario K1G 5P4
T : 1-800-387-8226 F : 1-800-363-5309
info@dustbane.ca www.dustbane.ca

1.4. Emergency telephone number

CANUTEC: 1-613-996-6666 (Collect)

1.4. Numéro de téléphone d'urgence

CANUTEC : 1-613-996-6666 (À frais virés)

2 Hazard(s) identification / Reconnaissance des dangers

2.1. Classification of the chemical product

General: None.

2.1. Classification du produit chimique

Générale : Aucun.

2.2. Label elements

Classification: Eye Damage/Irritation: 2A
Signal word: Warning!



2.2. Éléments de l'étiquette

Classification : Dommage/irritation oculaire : 2A
Mention d'avertissement : Avertissement!

Hazard statements: H319: Causes serious eye irritation.

Mentions de danger : H319 : Provoque une sévère irritation des yeux.

Precautionary statements: P264: Wash exposed areas thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P362 + P364: Take off contaminated clothing and wash it before reuse.
P501: Dispose of contents and container in accordance with local, regional and national regulations.

Conseils de prudence : P264 : Se laver soigneusement les zones exposées après manipulation.
P280 : Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.
P362 + P364 : Enlever les vêtements contaminés et les laver avant réutilisation.
P501 : Éliminer le contenu et le récipient conformément aux réglementations locales, régionales et nationales.

If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs get medical advice/attention. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists call a doctor/physician.

Other hazards not otherwise classified: None

En cas d'ingestion : rincer la bouche. NE PAS faire vomir. Appeler immédiatement un centre antipoison ou un médecin.

En cas de contact avec la peau (ou les cheveux) : enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/se doucher. En cas d'irritation ou cutanée : consulter un médecin. Laver les vêtements contaminés avant de les réutiliser.

En cas d'inhalation : transporter la victime à l'extérieur et garder la confortable pour respirer. Appeler un centre antipoison ou un médecin en cas de malaise.

En cas de contact avec les yeux : rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Si l'irritation oculaire persiste, appeler un centre antipoison ou un médecin.

Danger(s) non classé(s) ailleurs : Aucun

3 Composition/information on ingredients // Composition/information sur les ingrédients

3.2. Mixture

Dangerous components:

Chemical name	CAS No.	Quantity (%)
Limestone / Calcaire	1317-65-3	10 - 30
Dipropylene glycol monomethyl ether	34590-94-8	0.1 - 1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

3.2. Mélange

Composants dangereux :

Il n'existe pas d'autres ingrédients présents qui, dans la connaissance actuelle du fournisseur et dans les concentrations applicables, soient classés comme dangereux pour la santé et doivent donc être signalés dans cette section.

4 First aid / Premiers soins

4.1. Description of first aid measures

General: Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.

Inhalation: Move person to fresh air and keep comfortable for breathing. Get medical attention.

Ingestion: Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.

Skin: Remove immediately all contaminated clothing. Wash with soap and water and rinse thoroughly. If skin irritation or a rash occurs: Get medical advice/attention.

Eyes: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so – continue rinsing.

4.1. Description des mesures de premiers soins

Générale : Enlever immédiatement les vêtements contaminés par le produit. Laver les vêtements contaminés avant de les réutiliser.

Inhalation : Transporter la victime à l'extérieur et garder la confortable pour respirer. Obtenir des soins médicaux.

Ingestion : Buvez beaucoup d'eau et de l'air frais. Appeler immédiatement un médecin. Ne pas faire vomir.

Contact avec la peau : Enlever immédiatement tous les vêtements contaminés. Laver à l'eau et au savon et bien rincer. En cas d'irritation cutanée ou d'éruption cutanée : consulter un médecin.

Contact avec les yeux : Rincer les yeux pendant plusieurs minutes sous l'eau courante. Enlever les lentilles de contact, si présent et facile à faire - continuer le rinçage.

4.2. Most important symptoms and effect, both acute and delayed

Causes skin irritation.

4.2. Principaux symptômes et effets, tant aigus que différés

Provoque une irritation de la peau.

4.3. Indication of any immediate medical attention and special treatment needed.

Treat symptomatically.

4.3. Indications sur les éventuels soins médicaux et traitements particuliers nécessaires

Traiter les symptômes.

5 Firefighting measures / Mesures de lutte contre l'incendie

5.1. Extinguishing media

Use extinguishing media appropriate for the surrounding fire. Water spray, fog, mist, dry chemical, sand, etc.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Unknown.

Exposure hazards: In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx) and nitrogen oxides (NOx).

5.3. Advice for firefighters

Protection during firefighting: Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

Other information: This product is not flammable.

5.1. Moyens d'extinctions

Utiliser n'importe quel moyen d'extinction adéquat pour le feu environnant. Eau pulvérisée, brouillard, brume, poudre chimique sèche, sable, etc.

5.2. Dangers particuliers résultant de la substance ou du mélange

Risque d'incendie : Non connu.

Dangers dus à l'exposition : En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation: hydrocarbures, monoxyde de carbone et dioxyde (COx) et oxydes d'azote (NOx).

5.3. Conseils aux pompiers

Protection lors de lutte contre l'incendie : Port de vêtements protecteurs appropriés si incendie dans espace confiné. Utiliser un équipement de respiration autonome.

Autre information : Ce produit est ininflammable.

6 Accidental release measures / Mesures à prendre en cas de dispersion accidentelle

6.1. Personal precautions, protective equipment and emergency procedures

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

No special measures required.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so. Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation. Use neutralizing agent (e.g. sodium bicarbonate).

Other information: None.

6.4. Reference to other sections

Not applicable.

6.1. Précautions individuelles, équipement de protection et procédures d'urgence.

Toutes les personnes qui s'occupe du le nettoyage doivent porter de l'équipement de protection approprié. Garder les personnes à l'écart de l'endroit de déversement / fuite. Restreindre l'accès à la zone jusqu'à la fin du nettoyage. Se référer aux mesures de protection énumérées dans les sections 7 et 8.

6.2. Précautions pour la protection de l'environnement

Aucune mesure spéciale nécessaire.

6.3. Méthodes et matériel de confinement et de nettoyage

Méthodes de nettoyage : Ne laissez pas le matériel de contaminer les eaux souterraines. Si nécessaire, ériger une barricade bien en avant du déversement pour empêcher l'écoulement dans les égouts ou les cours d'eau naturel ou les sources d'eau potable. Aérer la zone. Éviter une fuite ou un déversement s'il est sécuritaire de le faire. Entourez et absorber le déversement avec un matériel liant les liquides (sable, diatomite, acide, liant universel, sciure). Éliminer les matériaux contaminés en tant que déchets conformément à la section 13. Assurer une ventilation adéquate. Utiliser un agent neutralisant (par exemple le bicarbonate de sodium).

Autres informations : Aucune.

6.4. Référence aux autres sections

Non applicable.

7 Handling and storage / Manipulation et entreposage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Use protective equipment recommended in section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling.

7.1. Précautions à prendre pour une manipulation sans danger

Manipuler conformément aux bonnes pratiques d'hygiène industrielle et de sécurité. Utiliser l'équipement de protection recommandé en section 8. Éviter le contact avec la peau, les yeux ou les vêtements. Lavez le visage, les mains et toute peau exposée soigneusement après manipulation.

7.2. Conditions for safe storage, including incompatibilities

Keep container tightly closed and store in a cool, dry conditions at no more than 30°C. Keep out of reach of children.

7.2. Conditions d'entreposage sécuritaire; y compris toutes incompatibilités

Conserver le récipient bien fermé et entreposer dans des conditions fraîches et sèches à pas plus de 30 °C. Tenir hors portée des enfants.

8 Exposure control and personal protection / Contrôle de l'exposition et protection personnelle

Chemical name / Nom du produit chimique	CAS number / Numéro CAS	ACGIH	OSHA PEL
Limestone / Calcaire	1317-65-3	TWA: Inhalable dust = 2 ppm Respirable dust = 1 ppm	Total dust = 4 ppm Respirable dust = 1 ppm
Dipropylene glycol monomethyl ether	34590-94-8	TWA = 100 ppm STEL = 150 ppm IDLH (NOISH) = 600 ppm	TWA = 50 ppm STEL = 50 ppm

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.1. Paramètres de contrôle

Le produit ne contient pas de substance présentant des valeurs en quantité significative qui nécessite une surveillance en lieu de travail.

8.2. Exposure control

Appropriate engineering controls: Ensure appropriate ventilation.

Hand protection: Wear protective gloves.

Eye protection: Wear eye/face protection. Wear as appropriate tightly fitting safety goggles; Safety glasses with side-shields.

Skin and body protection: No special measures required.

Respiratory protection: None required under normal usage.

Environmental exposure control: Avoid release to the environment.

8.2. Contrôle d'exposition

Contrôles d'ingénierie appropriés : Assurer une ventilation approprié.

Protection des mains : Porter des gants de protection.

Protection oculaire : Portez une protection pour les yeux/visage. Porter des lunettes de protection étanches selon le cas; Lunettes de sécurité avec protections latérales.

Protection de la peau et du corps : Aucune mesure particulière n'est requise.

Protection respiratoire : Aucun requis pour une utilisation normale.

Contrôle de l'exposition environnementale : Éviter le rejet dans l'environnement.

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.
Odour:	Mild.
Odour threshold:	Not determined.
Colour:	Blue.
pH (at 25°C):	7.5 – 8.5
Melting point:	Not applicable
Boiling point:	~100°C
Flash point:	Not determined.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not applicable.
Explosive limit:	Not determined.
Explosive properties:	
• Lower limit:	Not determined.
• Upper limit:	Not determined.
Oxydising properties:	Not determined.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Density (at 25°C):	1.216 – 1.236
Relative density:	Not determined.
Solubility in water:	Miscible.
Partition Coefficient:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Decomposition temperature:	Not determined.
Viscosity:	5,000 – 7,000 cPs.

9.2. Other information

No additional information available.

9.1. Informations sur les propriétés physiques et chimiques essentielles

Aspect :	Liquide.
Odeur :	Doux.
Seuil olfactif :	Non déterminé.
Couleur :	Bleu.
pH (à 25 °C) :	7,5 – 8,5
Point de fusion :	Non applicable.
Point d'ébullition :	~ 100 °C
Point d'éclair :	Non déterminé.
Taux d'évaporation :	Non déterminé.
Inflammabilité (solide, gaz) :	Non applicable.
Limite d'explosion :	Non déterminé.
Propriétés explosives :	
• Limite inférieure :	Non déterminé.
• Limite supérieure :	Non déterminé.
Propriétés oxydantes :	Non déterminé.
Pression de la vapeur :	Non déterminé.
Densité de la vapeur :	Non déterminé.
Densité (à 25 °C) :	1,216 – 1,236
Densité relative :	Non déterminé.
Solubilité dans l'eau :	Miscible.
Coefficient de partition :	Non déterminé.
Température d'auto-ignition :	Ce produit n'est pas auto-inflammable.
Température de décomposition :	Non déterminé.
Viscosité :	5 000 – 7 000 cPo.

9.2. Autres informations

Aucune information additionnelle de disponible.

10.1. Reactivity

Not determined.

10.2. Chemical stability

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid extreme heat and naked flames.

10.5. Incompatible materials

Strong acids, strong reducing and oxidizing agents.

10.6. Hazardous decomposition products

In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (COx), nitrogen oxides (NOx) and sulfur oxides (SOx).

10.1. Réactivité

Non déterminé.

10.2. Stabilité chimique

Pas de décomposition si utilisée selon les spécifications.

10.3. Possibilité de réactions dangereuses

Aucune connue.

10.4. Conditions à éviter

Éviter les températures extrêmes et les flammes nues.

10.5. Matières incompatibles

Acides forts, agents réducteurs et oxydants puissants.

10.6. Produits de décomposition dangereux

En cas d'incendie accidentel et de conditions de chaleur extrême, les produits gazeux suivants peuvent être libérés après l'évaporation : hydrocarbures, monoxyde de carbone et dioxyde (COx), oxydes d'azote (NOx) et oxydes de soufre (SOx).

11 Toxicological information / Information toxicologique

11.1. Information on toxicological effects

Information on the likely routes of exposure: Skin and eye contact.

Acute toxicity:

11.1. Informations sur les effets toxicologiques

Informations sur les voies d'exposition probables : Contact avec la peau et les yeux.

Toxicité aiguë :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Polar (ATE)	LD50 (Oral) LD50 (Dermal)	>5,000 mg/kg (rat) >5,000 mg/kg (rabbit)
Limestone / Calcaire	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 4 hr)	No information available / Aucune information disponible No information available / Aucune information disponible No information available / Aucune information disponible
Dipropylene glycol monomethyl ether	LD50 (Oral) LD50 (Dermal) LC50 (Inhalation, 7 hr)	>5,000 mg/kg (rat) >9,500 mg/kg (rat) >275 ppm (rat)

Symptoms related to the physical, chemical and toxicological characteristics:

- If inhaled: Vapours may cause irritation to the airways. Inhalation of larger amounts may induce discomfort, nausea, dizziness, headache, narcosis, and unconsciousness.
- If on skin: May cause skin irritation.
- If in eyes: Causes eye irritation.
- After ingestion: May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
- Sensitization: No sensitizing effects known.

Symptômes liés aux caractéristiques physiques, chimiques et toxicologiques :

- En cas d'inhalation : Les vapeurs peuvent causer une irritation des voies aériennes. L'inhalation de quantités plus importantes peut induire un malaise, des nausées, des étourdissements, des maux de tête, une narcose et une perte de conscience.
- Si sur la peau : Peut causer une irritation de la peau.
- Si dans les yeux : Provoque une irritation oculaire.
- Après l'ingestion : Peut causer une irritation du tractus gastro-intestinal, des nausées, des vomissements et des maux de tête.
- Sensibilisation : Aucun effet de sensibilisation connu.

Delayed and immediate effects, and chronic effects from short term and long term exposure:

- Prolonged or frequent contact can cause eczema and inflammation of the skins as a result of degreasing.
- Germ cell mutagenicity: Not classified.
- Carcinogenicity: Not classified.
- Reproductive toxicity: Not classified.
- Specific target organ toxicity:
 - Single exposure: Not classified.
 - Repeated exposure: Not classified.
- Aspiration hazard: Not classified.

Effets effets différés et immédiats et chroniques de court terme et de l'exposition à long terme:

- Un contact prolongé ou fréquent peut provoquer de l'eczéma et de l'inflammation la peau en raison de dégraissage.
- Mutagénéicité des cellules germinales : Non classés.
- Cancérogénicité : Non classés.
- Toxicité pour la reproduction : Non classés.
- Toxicité pour certains organes cibles :
 - Exposition unique : Non classés.
 - Exposition répétée : Non classés.
 - Danger par aspiration : Non classés.

12 Ecological information / Informations écologiques

12.1. Toxicity

Ecology:

12.1. Toxicité

Écologie :

Chemical name / Nom du produit chimique	Means of exposure / Moyens d'expositions	Value / Valeur
Limestone / Calcaire	No information available / Aucune information disponible	
Dipropylene glycol monomethyl ether	No information available / Aucune information disponible	

12.2. Persistence and degradability

Solution is readily biodegradable based on components.

12.2. Persistance et dégradabilité

La solution est facilement biodégradable en fonction des composants.

12.3. Bioaccumulative potential

Not available.

12.3. Potentiel de bioaccumulation

Non disponible.

12.4. Mobility in soil

Not available.

12.4. Mobilité dans le sol

Non disponible.

12.5. Other adverse effects

Not available.

12.5. Autres effets adverses

Non disponible.

13 Disposal considerations / Considérations relatives à l'élimination

13.1. Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.

13.1. Méthodes relatives au traitement des déchets

Recommandation : Ne pas disposer avec les ordures ménagères. Ne pas laisser pénétrer les systèmes d'égout à moins qu'il soit significativement dilué ou neutralisé.

13.2. Waste from residues / unused products

Recommendation: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

Recommended cleansing agent: Water.

13.2. Élimination des emballages contaminés

Recommandation : L'élimination doit être faite en conformité avec toutes les réglementations fédérales, d'états, provinciales et locales. Contactez votre agence environnementale locale, régionale, provinciale ou fédérale pour les règlements spécifiques.

Agent de nettoyage recommandé : Eau.

14 Transport information / Information sur le transport

Product is not regulated as hazardous.

Ce produit n'est pas classifié comme dangereux.

	14.1. UN number / Numéro ONU	14.2. UN proper shipping name / Nom propre pour l'expédition de l'ONU	14.3. Transport hazard class(es) / Classe(s) de danger	14.4. Packing group / Groupe d'emballage	14.5. Environmental hazards / Dangers pour l'environnement
TDG	None / Aucun	Not regulated / Pas réglementé	None / Aucun	None / Aucun	None / Aucun
DOT					

14.6. Special precautions for user

None specified.

14.6. Précautions spéciales pour l'utilisateur

Aucune identifiée.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

14.7. Transport en vrac conformément à l'Annexe II du MARPOL 73/78 et du code IBC

Non disponible.

15 Regulatory information / Renseignements sur la réglementation

15.1. Regulations

None specified.

15.1. Réglementation

Aucune identifiée.

16 Other information / Autres renseignements

Last revision date: 04/08/2022
Preparation date: 01/03/2017

Dernière révision : 04/08/2022
Date de préparation : 01/03/2017

Abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS No.: Chemical Abstract Service (division of the American Chemical Society)

cPs: Centipoise

D: Days

DOT: US Department of Transport

Hr: Hours

EC50: Effective Concentration, 50 percent

IC50: Inhibitory Concentration, 50 percent

LD50: Lethal Dose, 50 percent

LC50: Lethal Concentration, 50 percent

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life or Health

INCI: International Nomenclature of Cosmetic Ingredients

MSHA: Mine Safety and Health Administration

NTP: National Toxicology Program

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

NOISH: US National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

PVC: Polyvinyl chloride

STEL: Short-Term Exposure Limit

TDG: Transport Canada Transportation of Dangerous Goods

TWA: Time Weighted Average

N/A: Not Applicable

Abréviations et acronymes :

ACGIH : *American Conference of Governmental Industrial Hygienists*

N° CAS. : *Chemical Abstract Service (division de l'American Chemical Society)*

CIRC : Centre international de Recherche sur le Cancer

cPo: Centipoise

D : Jours

DIVS : Danger immédiat pour la vie ou la santé

DOT : Département des transports É.-U.

H : Heures

EC50 : Concentration efficace, 50 pourcent

IC50: Concentration inhibitrice, 50 pourcent

INCI : Nomenclature internationale des ingrédients cosmétiques

LD50 : Dose mortel, 50 pourcent

LC50 : Concentration mortel, 50 pourcent

MSHA : *Mine Safety and Health Administration*

NTP : *National Toxicology Program*

NOEC : Aucun effet observé concentration

NOEL : Aucun effet observé niveau

NOISH : *US National Institute for Occupational Safety and Health*

OSHA : *Occupational Safety and Health Administration*

PEL : Limite d'exposition admissible

PVC : Chlorure de polyvinyle

STEL : Limite d'exposition à court terme

TDG : Transport Canada Transport des marchandises dangereuses

TWA : Durée moyenne pondérée

N/A : Non applicable

Disclaimer / Statement of liability:

While the descriptions, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application / use, we recommend that you perform an assessment to determine the suitability of the product for your particular purpose prior to use. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. No warranties of any kind, either expressed or implied, including fitness for a particular purpose are made regarding the product described. We assume NO responsibility for any injuries resulting from misuse or misapplication of this product or that might be sustained because of inhalation, ingestion, absorption or other contact with this product. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.

Avis de non-responsabilité / déclaration de responsabilité :

Bien que les descriptions, les données et les informations contenues dans ce document sont présentées de bonne foi et considérées comme exactes, il est fourni à titre indicatif seulement. Parce que de nombreux facteurs peuvent influencer sur le traitement ou l'application / utilisation, nous vous recommandons d'effectuer une évaluation afin de déterminer l'adéquation du produit pour votre usage particulier avant l'utilisation. Rien ici ne doit être interprété comme une recommandation de contrefaire des brevets existants ou d'enfreindre les lois ou règlements. Aucune garantie d'aucune sorte, expresse ou implicite, y compris l'aptitude à un usage particulier n'est faite concernant le produit décrit. Nous déclinons toute responsabilité pour toute blessure résultant d'une mauvaise utilisation ou d'une mauvaise de ce produit ou pourrait être soutenue en raison de l'inhalation, l'ingestion, l'absorption ou tout autre contact avec ce produit. En aucun cas, les légendes, les informations ou les données fournies ne doivent être considérées comme une partie de nos conditions générales de vente. En outre, les descriptions, les données et les informations fournies ci-dessous sont données gratis. Aucune obligation ou responsabilité pour la description, les données et informations fournies sont supposées. Tout comme étant donné et accepté à vos risques.



This product is ECOLOGO® Certified – UL 2759
Ce produit est certifié ECOLOGO® – UL 2759

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
1926*

1 Identification

- **Product identifier**
 - Trade name: ***Regard Defoamer***
 - **Article number:** 1388278113
 - **Recommended use:** Defoamers, Anti-foaming agent
 - **Restrictions on use:**
All other uses than those indicated on the product label and technical data sheet.
- **Details of the supplier of the safety data sheet:**
 - **Manufacturer:**
Wesclean
11450-149th Street
Edmonton, AB
T5M 1W7
www.wesclean.com
Tel: 1-888-337-2929
 - **Client Identification Number:** 370001
 - **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard(s) identification

- **Classification of the product:**



Skin Sens. 1 H317 MAY CAUSE AN ALLERGIC SKIN REACTION.

- **Label elements:**

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard statements:**
H317 MAY CAUSE AN ALLERGIC SKIN REACTION.
- **Precautionary statements:**
 - P261 Avoid breathing dust, fume, gas, mist, vapors or spray.
 - P280 Wear protective gloves and eye or face protection.
 - P272 Contaminated work clothing must not be allowed out of the workplace.
 - P302+P352 IF ON SKIN: Wash with plenty of water.

(Contd. on page 2)

Safety Data Sheet

acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
1926

Trade name: **Regard Defoamer**

(Contd. of page 1)

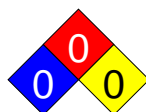
P333+P313 IF SKIN IRRITATION OR RASH OCCURS: Get medical attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4):**



Health = 0

Fire = 0

Reactivity = 0

· **Hazard not otherwise classified:** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

3 Composition/information on ingredients

· **Dangerous components:**

CAS	Component	(% w/w)
55965-84-9	Mixture of: 5-chloro-2-methyl-2H-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Skin Sens. 1, H317	0.0015-<0.06%

4 First-aid measures

· **General information:**

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After ingestion:** If symptoms persist consult a doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

5 Fire-fighting measures

· **Suitable extinguishing media:**

· **Suitable extinguishing media:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Specific hazards arising from the product:**

In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO_x) and nitrogen oxides (NO_x).

· **Advice for firefighters:**

· **Special protective equipment and precautions for fire-fighters:** No special measures required.

(Contd. on page 3)

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
1926*

Trade name: ***Regard Defoamer***

(Contd. of page 2)

· **Additional information:**

This product is not flammable.

See -Section 9- for the flammability characteristics of this product.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**

Wear recommended protective equipment(s). Keep unprotected persons away.

· **Environmental precautions:** No special measures required.

· **Methods and material for containment and cleaning up:**

Surround and absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

7 Handling and storage

· **Handling:**

· **Precautions for safe handling:** Ensure good ventilation at the workplace.

· **Conditions for safe storage, including any incompatibilities:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Conditions for safe storage, including any incompatibilities:** None.

· **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

· **Appropriate engineering controls:** No further data; see item 7.

· **Control parameters:**

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**



Protective gloves



Safety goggles

Safety goggles (recommended)

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

(Contd. on page 4)

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
1926*

Trade name: ***Regard Defoamer***

(Contd. of page 3)

- Avoid close or long term contact with the skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**
Protective gloves
Check protective gloves prior to each use for their proper condition.
- **Eye protection:** Safety goggles(recommended)
- **Body protection:** No special measures required.

9 Physical and chemical properties

· **Information on basic physical and chemical properties:**

· **General Information:**

· **Appearance:**

- **Form:** Opaque Liquid
- **Colour:** White
- **Odour:** Odourless.
- **Odor threshold:** Not determined.

· **pH-value at 25 °C:** 5.0-6.7

· **Change in condition:**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** > 35 °C

· **Flash point:** Not determined.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

· **Vapour pressure at 20 °C:** 23 hPa

· **Density at 25 °C:** 0.995-1.005 g/cm³

- **Relative density** Not determined.
- **Vapour density (air=1):** <1 (aqueous solution)
- **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with:**

- **Water:** Fully miscible

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

- **Dynamic:** Not determined.

(Contd. on page 5)

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
1926*

Trade name: **Regard Defoamer**

(Contd. of page 4)

- **Solvent content:**
- **Organic solvents:** 0.3 %

10 Stability and reactivity

- **Reactivity:** Not determined.
- **Chemical stability:**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid freezing and extreme heat conditions.
- **Incompatible materials:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**
In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

11 Toxicological information

- **Information on the likely routes of exposure:** Skin and eyes contact
- **Acute toxicity:**
 - **Symptomes related to the physical, chemical and toxicological characteristics:**
 - **By inhalation:** Not applicable
 - **If on the skin:** May cause irritation by prolonged contact with skin.
 - **If on the eye:** No irritating effect.
 - **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
 - **Sensitization:** Sensitization possible through skin contact.
 - **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
 - **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
 - **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer)**

102-71-6	Triethanolamine	3
50-00-0	formaldehyde	1
111-42-2	2,2'-iminodiethanol	2B

· **NTP (National Toxicology Program)**

50-00-0	formaldehyde	K
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12 Ecological information

- **Persistence and degradability:**
Organic compounds of this product are readily biodegradable according to the OECD Guideline 301.

(Contd. on page 6)

Safety Data Sheet
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,
 1926*

Trade name: ***Regard Defoamer***

(Contd. of page 5)

- **Behavior in environmental systems:**
 - **Bioaccumulative potential:** Does not accumulate in organisms
 - **Mobility in soil:** No further relevant information available.
- **Ecotoxicity:** No relevant information available
- **General notes:** Not known to be hazardous to water.

13 Disposal considerations

- **Waste treatment methods:**
 - **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
- **Uncleaned packagings:**
 - **Recommendation:** Disposal must be made according to official regulations.
 - **Recommended cleansing agent:** Water.

14 Transport information

· DOT, ADN, IMDG, IATA	Not regulated.
· UN proper shipping name · DOT	Not regulated.
· Transport hazard class(es) · Class	Not regulated.
· Packing group · DOT	Not regulated.
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· Chemicals known to cause cancer:	
50-00-0	formaldehyde
111-42-2	2,2'-iminodiethanol
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
· Chemicals known to cause developmental toxicity:	
67-56-1	Methanol

(Contd. on page 7)

Safety Data Sheet
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 1926*

Trade name: **Regard Defoamer**

(Contd. of page 6)

· EPA (Environmental Protection Agency)		
50-00-0	formaldehyde	B1
· TLV (Threshold Limit Value established by ACGIH)		
50-00-0	formaldehyde	A2
111-42-2	2,2'-iminodiethanol	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
50-00-0	formaldehyde	

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of creation/last revision:** 06/30/2015

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

NIOSH: National Institute for Occupational Safety

Acute Tox. 3: Acute toxicity, Hazard Category 3

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



SCRUBBING BUBBLES® BATHROOM CLEANER DISINFECTANT (DIN 02416875)

Version 1.2

Print Date 01/09/2018

Revision Date 01/09/2018

SDS Number 350000021604

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : SCRUBBING BUBBLES® BATHROOM CLEANER DISINFECTANT (DIN 02416875)

Recommended use : Disinfectant

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Telephone : +1-800-558-5566

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC) (613) 996-6666

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

This product does not meet the criteria for classification in any hazard class according to the Canadian Hazardous Products Regulation

Labelling

Precautionary statements

Other hazards : None identified

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classification according to Canadian Hazardous Products Regulation



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by Canadian Hazardous Products Regulation are listed in this table.

Chemical name	CAS-No.	Weight percent
Alcohols, C10-14, ethoxylated	66455-15-0	1.50 - 3.00
Lactic Acid	79-33-4	1.50 - 3.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

Eye contact : No special requirements

Skin contact : No special requirements

Inhalation : No special requirements.

Ingestion : No special requirements

Most important symptoms and effects, both acute and delayed

Eyes : No adverse effects expected when used as directed.

Skin effect : No adverse effects expected when used as directed.

Inhalation : May cause respiratory tract irritation.

Ingestion : No adverse effects expected when used as directed.

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Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- Further information** : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wash thoroughly after handling.
- Environmental precautions** : Outside of normal use, avoid release to the environment.
- Methods and materials for containment and cleaning up** : Dike large spills.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

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Precautions for safe handling : Avoid contact with skin, eyes and clothing.
For personal protection see section 8.
KEEP OUT OF REACH OF CHILDREN AND PETS.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

ACGIH or OSHA exposure limits have not been established for this product or reportable ingredients unless noted in the table above.

Personal protective equipment

Respiratory protection : No special requirements.

Hand protection : No special requirements.

Eye protection : No special requirements.

Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : transparent light yellow

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classification according to Canadian Hazardous Products
Regulation



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Odour	: mild
Odour Threshold	: Test not applicable for this product type
pH	: 2.4
Melting point/freezing point	: Test not applicable for this product type
Initial boiling point and boiling range	: Test not applicable for this product type
Flash point	: > 95 °C > 203 °F Method: Tag Closed Cup (TCC)
Evaporation rate	: Test not applicable for this product type
Flammability (solid, gas)	: The product is not flammable.
Upper/lower flammability or explosive limits	: Test not applicable for this product type
Vapour pressure	: Test not applicable for this product type
Vapour density	: Test not applicable for this product type
Relative density	: 1.0043 g/cm ³ at 20 C
Solubility(ies)	: soluble
Partition coefficient: n-	: Test not applicable for this product type

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octanol/water

Auto-ignition temperature : The substance or mixture is not classified as self heating.

Decomposition temperature : Test not applicable for this product type

Viscosity, dynamic : Test not applicable for this product type

Viscosity, kinematic : Test not applicable for this product type

Oxidizing properties : Test not applicable for this product type

Volatile Organic Compounds Total VOC (wt. %)* : 0.1 % - additional exemptions may apply
*as defined by US Federal and State Consumer Product Regulations

Other information : None identified :

10. STABILITY AND REACTIVITY

Reactivity : Do not mix with bleach or any other household cleaners.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : Direct sources of heat.

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Incompatible materials : None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 5.06 mg/l

Acute dermal toxicity : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion/irritation	No classification proposed	-
Serious eye damage/eye irritation	No classification proposed	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-

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Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition : None known.

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Alcohols, C10-14, ethoxylated	No data available			
Lactic Acid	static test LC50	Oncorhynchus mykiss (rainbow trout)	100 - 180 mg/l	96 h

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Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Alcohols, C10-14, ethoxylated	No data available			
Lactic Acid	static test EC50	Daphnia magna (Water flea)	130 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Alcohols, C10-14, ethoxylated	No data available			
Lactic Acid	static test EC50	Pseudokirchneriella subcapitata (green algae)	> 2,800 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Alcohols, C10-14, ethoxylated	60 %	28 d	Readily biodegradable.
Lactic Acid	67 %	20 d	

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Alcohols, C10-14, ethoxylated	690.9 estimated	4.98
Lactic Acid	No data available	-0.62

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Mobility

Component	End point	Value
Alcohols, C10-14, ethoxylated	No data available	
Lactic Acid	log Koc	< 1.32

PBT and vPvB assessment

Component	Results
Alcohols, C10-14, ethoxylated	Not fulfilling PBT and vPvB criteria
Lactic Acid	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

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15. REGULATORY INFORMATION

- Notification status** : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status** : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
- Canada Regulations** : This product has been classified in accordance with the hazard criteria of the Hazardous Products Act and Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	2
Flammability	1
Reactivity	0

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NFPA Ratings

Health	2
Fire	1
Reactivity	0
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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SECTION 1: IDENTIFICATION

PRODUCT NAME: *Split!* Carpet and Upholstery Cleaner

MANUFACTURER: Flat Rock Solutions LLC

ADDRESS: P O Box 1000 Flat Rock, NC 28731

PHONE: 828-692-4848 **FAX PHONE:** 828-692-4842

EMERGENCY PHONE: 864-360-9500

PRODUCT USE: Carpet and upholstery cleaner. To be diluted with water prior to use as directed.

SECTION 2: Hazard(s) Identification

HAZARD CLASSIFICATION: NONE as according to the Globally Harmonized System (GHS) and OSHA Hazard Communications Standards (29 CFR 1910.1200).

SIGNAL WORD: NO SIGNAL WORD

HAZARD STATEMENT: NO HAZARD STATEMENTS

PRECAUTIONARY STATEMENTS: Handle in accordance with good industrial hygiene and safety practices. Do not mix or contaminate with any other chemical. Keep from extreme heat or cold.

HAZARDS NOT OTHERWISE CLASSIFIED: NONE

OTHER STATEMENTS: Keep out of reach of children.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: MIXTURE, Trade Secret in accordance with paragraph (i) of CFR1910.1200.

CHEMICAL NAME	COMMON NAME/SYNONYMS	CAS #	% PERCENTAGE
Proprietary	Sodium Salt, Phosphoric Acid	Trade Secret	2.5 - 12.5

Exact percentages and identities are withheld as trade secrets.

SECTION 4: FIRST AID MEASURES

EYES: Does not present significant irritation or eye toxicity. If excessive exposure to eyes, remove contact lenses if present, rinse with water. If irritation occurs and persists, seek medical attention.

SKIN: Non-irritating. Wash hands with soap and water after exposure. If irritation occurs and persists, seek medical attention.

SECTION 4: FIRST AID MEASURES (continued)

INGESTION: Non-toxic. May present minor digestive upset. Drink plenty of water. Do not give anything by mouth to an unconscious person. If illness presents and persists, seek medical attention.

INHALATION: No Irritation

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No effects expected, exposure to all trade secret ingredients occurs naturally in day to day living. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

SPECIFIC HAZARDS ARISING FROM CHEMICAL: None due to chemical. Hazards from surrounding fire may be toxic.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear PPE as appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PERSONAL PROTECTION AND EMERGENCY PROCEDURES: *For non-emergency and emergency personnel: See Section 8 - personal protection.* Avoid Eye and Skin Contact. Safety goggles and gloves suggested but not required.

CONTAINMENT AND CLEAN UP: In case of spill, flush with water to sewer. Clean spill area with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool, well-ventilated place. Keep out of the reach of children. Keep from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: No components listed above permissible OSHA or ACGIH.

ENGINEERING CONTROLS: Provide good work ventilation, eyewash stations, hand washing station

INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT (PPE):

Eye Protection: Not required with expected use. Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Not required with expected use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Skin Protection: Not required with expected use. Use protective gloves (any material) when used for prolonged periods or if dermally sensitive.

Good Hygiene Considerations: Wash thoroughly after handling and before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, Clear
Odor	None
Odor Threshold	Not Determined
pH	9.0
Melting Point	Not Determined
Freezing Point	< -8° F / < -22.2° C
Initial Boiling Point / Boiling Range	212°F / 100°C
Flash Point	Not Applicable
Evaporation Rate:	Not Determined
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Solubility (ies)	Soluble in Water
Partition coefficient: n-octanol/water	Not Determined
Auto-ignition Temperature	Not Determined
Viscosity	Not Determined

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Non-reactive

CHEMICAL STABILITY: Stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS: None known

CONDITIONS TO AVOID: Excessive and prolonged heat or cold

INCOMPATIBLE MATERIALS: N/A

HAZARDOUS DECOMPOSITIONS PRODUCTS: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: Eye, Skin, Ingestion, Inhalation

SYMPTOMS

- **Eye Contact:** Not expected to cause irritation, excessive contact may cause pain and redness.
- **Skin Contact:** Not expected to cause irritation, repeated contact may cause dry skin.
- **Ingestion:** Non-toxic, not expected to cause irritation, excessive ingestion may cause upset stomach or mild diarrhea.
- **Inhalation:** Not expected to cause irritation.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: No symptoms expected under typical use conditions.

IMMEDIATE, DELAYED, CHRONIC EFFECTS: None expected under typical use conditions.

MEASURES OF TOXICITY: Mixture does not classify under this category.

CARCINOGENICITY: No components present listed as carcinogens by ACGIH, IARC, NTP, or OSHA

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Mixture does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labeling of Chemicals.

PERSISTANCE AND DEGRADABILITY: No information available.

BIOACCUMULATIVE POTENTIAL: No information available.

MOBILITY IN SOIL: No information available.

OTHER ADVERSE EFFECTS: No other adverse environmental effects are expected from this mixture or it's ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE: Used or Unused Liquid should be disposed of in accordance with federal, state and local regulations.

DISPOSAL OF PACKAGING: Containers and shipper cartons may be recycled. Do not reuse chemical containers.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated

PROPER SHIPPING NAME: Non-Hazardous Product

SECTION 15: REGULATORY INFORMATION

GHS LABEL ELEMENTS: This product is classified and labeled according to the Globally Harmonized System (GHS).

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemical substances in this mixture are included in listing.

SARA 311/312 HAZARD CATEGORIES: Not applicable.

SARA 313 REPORTABLE INGREDIENTS: This mixture does not contain listed substance above RQ levels.

CA PROPOSITION 65: This mixture does not contain any Proposition 65 chemicals.

INTERNATIONAL REGULATIONS:

DSL (DOMESTIC SUBSTANCES LIST) / NDSL (NON DOMESTIC SUBSTANCES LIST): All chemical substances in this mixture are included in listing.

SECTION 16: OTHER INFORMATION

HMIS Degree of hazard: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant
Health: 0 Flammability: 0 Reactivity: 0

SDS PREPARED ON: 05/07/2015

DISCLAIMER:

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End of Safety Data Sheet

SECTION 1: IDENTIFICATION

PRODUCT NAME: *Split!* Non-Detergent Cleaner

MANUFACTURER: Flat Rock Solutions LLC

ADDRESS: P O Box 1000 Flat Rock, NC 28731

PHONE: 828-692-4848 **FAX PHONE:** 828-692-4842

EMERGENCY PHONE: 864-360-9500

PRODUCT USE: Daily and maintenance cleaning of most surfaces. To be diluted with water prior to use as directed.

SECTION 2: Hazard(s) Identification

HAZARD CLASSIFICATION: NONE as according to the Globally Harmonized System (GHS) and OSHA Hazard Communications Standards (29 CFR 1910.1200).

SIGNAL WORD: NO SIGNAL WORD

HAZARD STATEMENT: NO HAZARD STATEMENTS

PRECAUTIONARY STATEMENTS: Handle in accordance with good industrial hygiene and safety practices. Do not mix or contaminate with any other chemical. Keep from extreme heat or cold.

HAZARDS NOT OTHERWISE CLASSIFIED: NONE

OTHER STATEMENTS: Keep out of reach of children.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: MIXTURE, Trade Secret in accordance with paragraph (i) of CFR1910.1200.

CHEMICAL NAME	COMMON NAME/SYNONYMS	CAS #	% PERCENTAGE
Proprietary	Sodium Salt, Phosphoric Acid	Trade Secret	2.5 - 12.5

Exact percentages and identities are withheld as trade secrets.

SECTION 4: FIRST AID MEASURES

EYES: Does not present significant irritation or eye toxicity. If excessive exposure to eyes, remove contact lenses if present, rinse with water. If irritation occurs and persists, seek medical attention.

SKIN: Non-irritating. Wash hands with soap and water after exposure. If irritation occurs and persists, seek medical attention.

SECTION 4: FIRST AID MEASURES (continued)

INGESTION: Non-toxic. May present minor digestive upset. Drink plenty of water. Do not give anything by mouth to an unconscious person. If illness presents and persists, seek medical attention.

INHALATION: No Irritation

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No effects expected, exposure to all trade secret ingredients occurs naturally in day to day living. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

SPECIFIC HAZARDS ARISING FROM CHEMICAL: None due to chemical. Hazards from surrounding fire may be toxic.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear PPE as appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PERSONAL PROTECTION AND EMERGENCY PROCEDURES: *For non-emergency and emergency personnel: See Section 8 - personal protection.* Avoid Eye and Skin Contact. Safety goggles and gloves suggested but not required.

CONTAINMENT AND CLEAN UP: In case of spill, flush with water to sewer. Clean spill area with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool, well-ventilated place. Keep out of the reach of children. Keep from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: No components listed above permissible OSHA or ACGIH.

ENGINEERING CONTROLS: Provide good work ventilation, eyewash stations, hand washing station

INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT (PPE):

Eye Protection: Not required with expected use. Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Not required with expected use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Skin Protection: Not required with expected use. Use protective gloves (any material) when used for prolonged periods or if dermally sensitive.

Good Hygiene Considerations: Wash thoroughly after handling and before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, Clear
Odor	None
Odor Threshold	Not Determined
pH	8.9
Melting Point	Not Determined
Freezing Point	< -8° F / < -22.2° C
Initial Boiling Point / Boiling Range	212°F / 100°C
Flash Point	Not Applicable
Evaporation Rate:	Not Determined
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Solubility (ies)	Soluble in Water
Partition coefficient: n-octanol/water	Not Determined
Auto-ignition Temperature	Not Determined
Viscosity	Not Determined

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Non-reactive

CHEMICAL STABILITY: Stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS: None known

CONDITIONS TO AVOID: Excessive and prolonged heat or cold

INCOMPATIBLE MATERIALS: N/A

HAZARDOUS DECOMPOSITIONS PRODUCTS: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: Eye, Skin, Ingestion, Inhalation

SYMPTOMS

- **Eye Contact:** Not expected to cause irritation, excessive contact may cause pain and redness.
- **Skin Contact:** Not expected to cause irritation, repeated contact may cause dry skin.
- **Ingestion:** Non-toxic, not expected to cause irritation, excessive ingestion may cause upset stomach or mild diarrhea.
- **Inhalation:** Not expected to cause irritation.

SYMPTONS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: No symptoms expected under typical use conditions.

IMMEDIATE, DELAYED, CHRONIC EFFECTS: None expected under typical use conditions.

MEASURES OF TOXICITY: Mixture does not classify under this category.

CARCINOGENICITY: No components present listed as carcinogens by ACGIH, IARC, NTP, or OSHA

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Mixture does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labeling of Chemicals.

PERSISTANCE AND DEGRADABILITY: No information available.

BIOACCUMULATIVE POTENTIAL: No information available.

MOBILITY IN SOIL: No information available.

OTHER ADVERSE EFFECTS: No other adverse environmental effects are expected from this mixture or it's ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE: Used or Unused Liquid should be disposed of in accordance with federal, state and local regulations.

DISPOSAL OF PACKAGING: Containers and shipper cartons may be recycled. Do not reuse chemical containers.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated

PROPER SHIPPING NAME: Non-Hazardous Product

SECTION 15: REGULATORY INFORMATION

GHS LABEL ELEMENTS: This product is classified and labeled according to the Globally Harmonized System (GHS).

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemical substances in this mixture are included in listing.

SARA 311/312 HAZARD CATEGORIES: Not applicable

SARA 313 REPORTABLE INGREDIENTS: This mixture does not contain listed substance above RQ levels.

CA PROPOSITION 65: This mixture does not contain any Proposition 65 chemicals.

INTERNATIONAL REGULATIONS:

DSL (DOMESTIC SUBSTANCES LIST) / NDSL (NON DOMESTIC SUBSTANCES LIST): All chemical substances in this mixture are included in listing.

SECTION 16: OTHER INFORMATION

HMIS Degree of hazard: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant
Health: 0 Flammability: 0 Reactivity: 0

SDS PREPARED ON: 05/07/2015

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End of Safety Data Sheet

SECTION 1: IDENTIFICATION

PRODUCT NAME: *Split!* Restorative Cleaner

MANUFACTURER: Flat Rock Solutions LLC
ADDRESS: P O Box 1000 Flat Rock, NC 28731
PHONE: 828-692-4848 **FAX PHONE:** 828-692-4842

EMERGENCY PHONE: 864-360-9500

PRODUCT USE: Restorative and maintenance cleaner. To be diluted with water prior to use as directed.

SECTION 2: Hazard(s) Identification

HAZARD CLASSIFICATION: NONE as according to the Globally Harmonized System (GHS) and OSHA Hazard Communications Standards (29 CFR 1910.1200).

SIGNAL WORD: NO SIGNAL WORD

HAZARD STATEMENT: NO HAZARD STATEMENTS

PRECAUTIONARY STATEMENTS: Handle in accordance with good industrial hygiene and safety practices. Do not mix or contaminate with any other chemical. Keep from extreme heat or cold.

HAZARDS NOT OTHERWISE CLASSIFIED: NONE

OTHER STATEMENTS: Keep out of reach of children.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION: MIXTURE, Trade Secret in accordance with paragraph (i) of CFR1910.1200.

CHEMICAL NAME	COMMON NAME/SYNONYMS	CAS #	% PERCENTAGE
Proprietary	Sodium Salt, Phosphoric Acid	Trade Secret	2.5 - 12.5

Exact percentages and identities are withheld as trade secrets.

SECTION 4: FIRST AID MEASURES

EYES: Does not present significant irritation or eye toxicity. If excessive exposure to eyes, remove contact lenses if present, rinse with water. If irritation occurs and persists, seek medical attention.

SKIN: Non-irritating. Wash hands with soap and water after exposure. If irritation occurs and persists, seek medical attention.

SECTION 4: FIRST AID MEASURES (continued)

INGESTION: Non-toxic. May present minor digestive upset. Drink plenty of water. Do not give anything by mouth to an unconscious person. If illness presents and persists, seek medical attention.

INHALATION: No Irritation

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No effects expected, exposure to all trade secret ingredients occurs naturally in day to day living. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

SPECIFIC HAZARDS ARISING FROM CHEMICAL: None due to chemical. Hazards from surrounding fire may be toxic.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: Wear PPE as appropriate for surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PERSONAL PROTECTION AND EMERGENCY PROCEDURES: *For non-emergency and emergency personnel: See Section 8 - personal protection.* Avoid Eye and Skin Contact. Safety goggles and gloves suggested but not required.

CONTAINMENT AND CLEAN UP: In case of spill, flush with water to sewer. Clean spill area with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool, well-ventilated place. Keep out of the reach of children. Keep from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES: No components listed above permissible OSHA or ACGIH.

ENGINEERING CONTROLS: Provide good work ventilation, eyewash stations, hand washing station

INDIVIDUAL PROTECTION MEASURES / PERSONAL PROTECTIVE EQUIPMENT (PPE):

Eye Protection: Not required with expected use. Use protective glasses or safety goggles if splashing or spray-back is likely.

Respiratory: Not required with expected use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Skin Protection: Not required with expected use. Use protective gloves (any material) when used for prolonged periods or if dermally sensitive.

Good Hygiene Considerations: Wash thoroughly after handling and before eating, drinking or smoking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, Clear
Odor	None
Odor Threshold	Not Determined
pH	11.9
Melting Point	Not Determined
Freezing Point	< -8° F / < -22.2° C
Initial Boiling Point / Boiling Range	212°F / 100°C
Flash Point	Not Applicable
Evaporation Rate:	Not Determined
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Determined
Vapor Pressure	Not Determined
Vapor Density	Not Determined
Solubility (ies)	Soluble in Water
Partition coefficient: n-octanol/water	Not Determined
Auto-ignition Temperature	Not Determined
Viscosity	Not Determined

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Non-reactive

CHEMICAL STABILITY: Stable under normal conditions

POSSIBILITY OF HAZARDOUS REACTIONS: None known

CONDITIONS TO AVOID: Excessive and prolonged heat or cold

INCOMPATIBLE MATERIALS: N/A

HAZARDOUS DECOMPOSITIONS PRODUCTS: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE: Eye, Skin, Ingestion, Inhalation

SYMPTOMS

- **Eye Contact:** Not expected to cause irritation, excessive contact may cause pain and redness.
- **Skin Contact:** Not expected to cause irritation, repeated contact may cause dry skin.
- **Ingestion:** Non-toxic, not expected to cause irritation, excessive ingestion may cause upset stomach or mild diarrhea.
- **Inhalation:** Not expected to cause irritation.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: No symptoms expected under typical use conditions.

IMMEDIATE, DELAYED, CHRONIC EFFECTS: None expected under typical use conditions.

MEASURES OF TOXICITY: Mixture does not classify under this category.

CARCINOGENICITY: No components present listed as carcinogens by ACGIH, IARC, NTP, or OSHA

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Mixture does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labeling of Chemicals.

PERSISTANCE AND DEGRADABILITY: No information available.

BIOACCUMULATIVE POTENTIAL: No information available.

MOBILITY IN SOIL: No information available.

OTHER ADVERSE EFFECTS: No other adverse environmental effects are expected from this mixture or it's ingredients.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE: Used or Unused Liquid should be disposed of in accordance with federal, state and local regulations.

DISPOSAL OF PACKAGING: Containers and shipper cartons may be recycled. Do not reuse chemical containers.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated

PROPER SHIPPING NAME: Non-Hazardous Product

SECTION 15: REGULATORY INFORMATION

GHS LABEL ELEMENTS: This product is classified and labeled according to the Globally Harmonized System (GHS).

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemical substances in this mixture are included in listing.

SARA 311/312 HAZARD CATEGORIES: Not applicable.

SARA 313 REPORTABLE INGREDIENTS: This mixture does not contain listed substance above RQ levels.

CA PROPOSITION 65: This mixture does not contain any Proposition 65 chemicals.

INTERNATIONAL REGULATIONS:

DSL (DOMESTIC SUBSTANCES LIST) / NDSL (NON DOMESTIC SUBSTANCES LIST): All chemical substances in this mixture are included in listing.

SECTION 16: OTHER INFORMATION

HMIS Degree of hazard: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant
Health: 1 Flammability: 0 Reactivity: 0

SDS PREPARED ON: 05/07/2015

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End of Safety Data Sheet



Safety Data Sheet

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Document group:	26-9341-4	Version number:	11.01
Issue Date:	2020/10/21	Supersedes Date:	2018/08/24

This Safety Data Sheet has been prepared in accordance with the Canadian Hazardous Products Regulations.

SECTION 1: Identification

1.1. Product identifier

3M™ TroubleShooter Baseboard Stripper

Product Identification Numbers

UU-0093-0225-6 XN-1015-7772-6

1.2. Recommended use and restrictions on use

Intended Use

Industrial use

Specific Use

Baseboard stripper.

Restrictions on use

Not applicable

1.3. Supplier's details

Company:	3M Canada Company
Division:	Building & Commercial Services Division
Address:	1840 Oxford Street East, Post Office Box 5757, London, Ontario N6A 4T1
Telephone:	(800) 364-3577
Website:	www.3M.ca

1.4. Emergency telephone number

Medical Emergency Telephone: 1-800-3M HELPS / 1-800-364-3577; Transportation Emergency Telephone (CANUTEC): (613) 996-6666

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Flammable Aerosol: Category 2.
Gas Under Pressure: Liquefied gas.
Serious Eye Damage/Irritation: Category 1.
Skin Corrosion/Irritation: Category 2.
Specific Target Organ Toxicity (single exposure): Category 1.

2.2. Label elements

Signal word

Danger

Symbols

Flame | Gas cylinder | Corrosion | Exclamation mark | Health Hazard |

Pictograms



Hazard statements

Flammable aerosol. Contains gas under pressure; may explode if heated.

Causes serious eye damage. Causes skin irritation.

Causes damage to organs: cardiovascular system |

Precautionary statements

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Immediately call a POISON CENTRE or doctor/physician. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF exposed or concerned: Call a POISON CENTRE or doctor/physician.

Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Store locked up.

Disposal:

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

Notes to Physician:

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

2.3. Other hazards

None known.

9% of the mixture consists of ingredients of unknown acute oral toxicity.

9% of the mixture consists of ingredients of unknown acute dermal toxicity.

9% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt	Common Name
------------	------------	---------	-------------

3M™ TroubleShooter Baseboard Stripper

Water	7732-18-5	65 - 75	Water
1,2-propylene glycol 1-monobutyl ether	5131-66-8	10 - 20	2-Propanol, 1-butoxy-
Petroleum Gases, Liquefied, Sweetened	68476-86-8	5 - 10 Trade Secret *	Petroleum gases, liquefied, sweetened
Ethanolamine	141-43-5	1 - 5 Trade Secret *	Ethanol, 2-amino-

*The actual concentration of this ingredient has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air. Get medical attention.

Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

5.3. Special protective actions for fire-fighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or

3M™ TroubleShooter Baseboard Stripper

bodies of water.

6.3. Methods and material for containment and cleaning up

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Contain spill. Cover spill area with a fire extinguishing foam that is resistant to polar solvents. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. Not for consumer sale or use. Do not use in a confined area with minimal air exchange. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from acids. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Ethanolamine	141-43-5	ACGIH	TWA:3 ppm;STEL:6 ppm	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Full Face Shield

Indirect Vented Goggles

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing.

Gloves made from the following material(s) are recommended: Butyl Rubber

Neoprene

Nitrile Rubber

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors

Half facepiece or full facepiece supplied-air respirator

For questions about suitability for a specific application, consult with your respirator manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Specific Physical Form:	Aerosol
Colour	Colourless
Odour	Mild Ether
Odour threshold	<i>No Data Available</i>
pH	11 - 12 [<i>Details:(concentrate)</i>]
Melting point/Freezing point	<i>Not Applicable</i>
Boiling point	Approximately 100 °C
Flash Point	<i>Not Applicable</i>
Evaporation rate	<i>No Data Available</i>
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	<i>No Data Available</i>
Flammable Limits(UEL)	<i>No Data Available</i>
Vapour Pressure	<i>No Data Available</i>
Viscosity/Kinematic Viscosity Viscosity/Kinematic Viscosity	<i>No Data Available</i>
Density	0.95 g/ml
Relative density	0.95 [<i>Ref Std: WATER=1</i>]
Water solubility	Complete
Solubility- non-water	<i>No Data Available</i>
Partition coefficient: n-octanol/ water	<i>No Data Available</i>
Autoignition temperature	<i>No Data Available</i>
Decomposition temperature	<i>No Data Available</i>
Viscosity/Kinematic Viscosity	72 mPa-s [<i>Details:(concentrate)</i>]
Volatile Organic Compounds	25 - 30 % weight
Percent volatile	90 - 100 %
VOC Less H2O & Exempt Solvents	500 - 900 g/l
Enclosed Space Ignition Time	293.67 s/m ³

Nanoparticles

This material does not contain nanoparticles.

SECTION 10: Stability and reactivity

10.1. Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

Light

10.5. Incompatible materials

Strong acids

Strong oxidizing agents

10.6. Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
Oxides of Nitrogen	Not Specified

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin Contact:

Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain.

Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Ingestion:

3M™ TroubleShooter Baseboard Stripper

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Additional Health Effects:**Single exposure may cause target organ effects:**

Single exposure, above recommended guidelines, may cause:

Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Inhalation-Vapor(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
1,2-propylene glycol 1-monobutyl ether	Dermal	Rat	LD50 > 2,000 mg/kg
1,2-propylene glycol 1-monobutyl ether	Inhalation-Vapor	Rat	LC50 > 8.5 mg/l
1,2-propylene glycol 1-monobutyl ether	Ingestion	Rat	LD50 2,124 mg/kg
Petroleum Gases, Liquefied, Sweetened	Inhalation-Gas (4 hours)	Rat	LC50 277,000 ppm
Ethanolamine	Inhalation-Vapor	official classification	LC50 estimated to be 10 - 20 mg/l
Ethanolamine	Dermal	Rabbit	LD50 1,000 mg/kg
Ethanolamine	Ingestion	Rat	LD50 1,720 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
1,2-propylene glycol 1-monobutyl ether	Rabbit	Mild irritant
Petroleum Gases, Liquefied, Sweetened	Professional judgement	No significant irritation
Ethanolamine	Rabbit	Corrosive

Serious Eye Damage/Irritation

Name	Species	Value
1,2-propylene glycol 1-monobutyl ether	Rabbit	Severe irritant
Petroleum Gases, Liquefied, Sweetened	Professional judgement	No significant irritation
Ethanolamine	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Ethanolamine	Guinea pig	Not classified

Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

3M™ TroubleShooter Baseboard Stripper**Germ Cell Mutagenicity**

Name	Route	Value
Petroleum Gases, Liquefied, Sweetened	In Vitro	Not mutagenic
Ethanolamine	In Vitro	Not mutagenic
Ethanolamine	In vivo	Not mutagenic

Carcinogenicity

For the component/components, either no data are currently available or the data are not sufficient for classification.

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Ethanolamine	Dermal	Not classified for development	Rat	NOAEL 225 mg/kg/day	during organogenesis
Ethanolamine	Ingestion	Not classified for development	Rat	NOAEL 616 mg/kg/day	during organogenesis

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Petroleum Gases, Liquefied, Sweetened	Inhalation	cardiac sensitization	Causes damage to organs	similar compounds	NOAEL Not available	
Petroleum Gases, Liquefied, Sweetened	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL Not available	
Petroleum Gases, Liquefied, Sweetened	Inhalation	respiratory irritation	Not classified		NOAEL Not available	
Ethanolamine	Inhalation	respiratory irritation	May cause respiratory irritation	Human and animal	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Petroleum Gases, Liquefied, Sweetened	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL Not available	
Ethanolamine	Inhalation	liver kidney and/or bladder respiratory system	Not classified	Multiple animal species	NOAEL 0.656 mg/l	5 weeks
Ethanolamine	Ingestion	hematopoietic system liver kidney and/or bladder respiratory system	Not classified	Rat	NOAEL Not available	

Aspiration Hazard

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

No data available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. Facility must be capable of handling aerosol cans. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

SECTION 16: Other information

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Health: 3 Flammability: 3 Instability: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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3M Canada SDSs are available at www.3M.ca



Fiche santé sécurité

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Groupe de document :	26-9341-4	Numéro de la version :	11.01
Date de parution :	2020/10/21	Remplace la version datée de :	2018/08/24

Cette fiche de données de sécurité est conforme au Règlement sur les produits dangereux Canadiens.

SECTION 1 : Identification

1.1 Identifiant du produit

Décapant pour Plinthes TroubleShooter(MC)

Numéros d'identification de produit

UU-0093-0225-6 XN-1015-7772-6

1.2 Utilisations recommandées et restrictions d'utilisation

Utilisation prévue

Usage industriel.

Utilisation spécifique

Nettoyage et entretien des sols durs et des surfaces encrassées.

Restrictions d'utilisation

Ne s'applique pas

1.3 Détails du fournisseur

Compagnie:	Compagnie 3M Canada
Division:	Division des produits d'entretien des bâtiments et des services commerciaux
Adresse :	1840, rue d'Oxford Est, Case Postale 5757, London, Ontario N6A 4T1
Téléphone :	(800) 364-3577
Site Web :	www.3M.ca

1.4 Numéro de téléphone d'urgence

Téléphone d'urgence medical:1-800-3M HELPS / 1-800-364-3577; Téléphone d'urgence de transport(CANUTEC):(613) 996-6666

SECTION 2 : identification des dangers

2.1. Classification de la substance ou du mélange

Aérosol inflammable : Catégorie 2.

Gaz sous pression Gaz liquéfié.

Grave problème/Irritation oculaire : Catégorie 1.

Corrosion/Irritation cutanée : Catégorie 2.

Toxicité pour certains organes cibles (exposition unique) Catégorie 1.

2.2. Éléments d'étiquette

Terme d'avertissement

Danger

Symboles :

Flamme | Bouteille de gaz | Corrosion | Point d'exclamation | Risque pour la santé |

Pictogrammes



Mentions de danger

Aérosol inflammable. Contient un gaz sous pression; peut exploser sous l'effet de la chaleur
Provoque des lésions oculaires graves. Provoque une irritation cutanée.
Cause des dommages aux organes : système cardiovasculaire |

Mises en garde

Prévention :

Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'ignition. Ne pas fumer. Ne pas vaporiser sur une flamme nue ou sur toute autre source d'ignition. Ne pas perforer ni brûler, même après usage. Ne pas respirer les poussières, fumées, brouillards, gaz, vapeurs ou émanations. Porter des gants et un dispositif de protection pour les yeux et le visage. Ne pas manger, boire ou fumer en utilisant le produit. Laver soigneusement la peau exposée après manipulation.

Réponse:

EN CAS DE CONTACT AVEC LES YEUX : Rincer prudemment avec de l'eau pendant plusieurs minutes. Retirer les verres de contact éventuels, si ceci peut être fait facilement. Continuer à rincer. EN CAS DE CONTACT AVEC LA PEAU : Laver avec beaucoup d'eau et de savon. Appeler immédiatement un centre antipoison ou un médecin. En cas d'irritation cutanée : Consulter un médecin. Enlever les vêtements contaminés et les laver avant de les utiliser à nouveau. EN CAS d'exposition prouvée ou suspectée: appeler un CENTRE ANTIPOISON ou un médecin.

Entreposage :

A protéger contre les rayons solaires et à ne pas exposer à une température supérieure à 50°C/122F. Entreposer dans un endroit bien ventilé. Garder sous clef.

Élimination :

Éliminer les contenus/contenants conformément aux règlements locaux, régionaux, nationaux et internationaux applicables.

Remarques destinées au médecin:

L'exposition peut augmenter l'irritabilité du myocarde. N'administrez pas de médicaments sympathomimétiques, sauf en cas d'absolue nécessité.

2.3. Autres risques

Aucun connu.

9% du mélange consiste en des ingrédients de toxicité orale aiguë inconnue.

9% du mélange consiste en des ingrédients de toxicité cutanée aiguë.

9% du mélange consiste en des ingrédients de toxicité par inhalation aiguë inconnue.

SECTION 3 : Composition/renseignements sur les ingrédients

Ce matériau est un mélange.

Ingrédient	Numéro CAS	% par poids	Nom Commun
Eau	7732-18-5	65 - 75	Eau
1-BUTOXY-2-PROPANOL	5131-66-8	10 - 20	Éther monobutylique de propylène glycol
Gaz de pétrole liquéfiés adoucis	68476-86-8	5 - 10 Secret Fabrication *	Gaz de pétrole liquéfiés adoucis
2-aminoéthanol	141-43-5	1 - 5 Secret Fabrication *	Éthanolamine

*La concentration réelle de cet ingrédient a été retenue comme un secret commercial.

SECTION 4 : Premiers soins

4.1. Description des premiers soins

Inhalation :

Transporter la personne à l'air frais. Consulter un médecin.

Contact avec la peau :

Laver immédiatement avec de l'eau et du savon. Retirer les vêtements contaminés et les laver avant de les porter de nouveau. Si des signes ou des symptômes apparaissent, consulter un médecin.

En cas de contact avec les yeux :

Laver les yeux immédiatement avec beaucoup d'eau pendant au moins 15 minutes. Enlever les lentilles de contact si cela est facile à faire. Continuer à rincer. Consulter immédiatement un ophtalmologiste.

En cas d'ingestion :

Rincer la bouche. En cas de malaise, consulter un médecin.

4.2. Principaux symptômes et effets, tant aigus que différés

Voir en section 11.1: information sur les effets toxicologiques.

4.3. Indication de la nécessité éventuelle d'une prise en charge médicale immédiate et d'un traitement spécial

L'exposition au produit pourrait accroître l'irritabilité du myocarde. Ne pas administrer de médicaments sympathomimétiques, à moins qu'ils ne soient absolument nécessaires.

SECTION 5 : Mesures de lutte contre l'incendie

5.1. Moyens d'extinction appropriés

Le matériau ne brûlera pas. Utilisez un agent d'extinction adapté au feu environnant.

5.2. Dangers particuliers résultant de la substance ou du mélange

Les récipients fermés exposés à la chaleur peuvent exploser.

5.3. Équipement de protection spécial pour le personnel préposé à la lutte contre le feu

SECTION 6 : Mesures à prendre en cas de rejet accidentel

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

Évacuer la zone. Conserver à l'écart de la chaleur, des étincelles, des flammes nues et des surfaces chaudes. Il est interdit de fumer. N'utiliser que des outils ne produisant pas d'étincelles. Ventiler la zone à l'air frais. Pour les grands déversements ou les déversements dans les espaces confinés, fournir une ventilation mécanique pour disperser ou évacuer les vapeurs,

Décapant pour Plinthes TroubleShooter(MC)

conformément aux bonnes pratiques d'hygiène industrielle. **MISE EN GARDE!** Un moteur pourrait constituer une source d'inflammation et provoquer un incendie ou une explosion des gaz ou des vapeurs inflammables présents dans la zone du déversement. Consulter les autres sections de cette fiche signalétique pour plus de renseignements sur les dangers physiques ou pour la santé, la protection respiratoire, la ventilation ainsi que le matériel de protection individuelle.

6.2. Précautions pour l'environnement

Éviter le rejet dans l'environnement. Pour les déversements plus importants, couvrir les drains et construire des digues pour éviter que le matériau ne se déverse dans le réseau d'égoûts ou les plans d'eau.

6.3. Méthodes et matériel de confinement et de nettoyage

Si possible, sceller les récipients non étanches. Placer les récipients non étanches dans un endroit bien ventilé, préférablement sous une hotte d'évacuation fonctionnelle, ou, au besoin, à l'extérieur sur une surface imperméable jusqu'à ce que l'emballage approprié pour le récipient ou son contenu soit disponible. Confiner le déversement. Couvrir la zone de déversement avec une mousse extinctrice résistante aux solvants polaires. Travailler de l'extérieur vers l'intérieur du déversement. Couvrir de bentonite, de vermiculite ou d'un matériau absorbant inorganique vendu sur le marché. Mélanger suffisamment d'agents absorbants jusqu'à ce que le déversement semble sec. Rappel : L'ajout d'un matériau absorbant n'élimine pas les dangers physiques ni les dangers pour la santé ou pour l'environnement. Ramasser le plus de produits déversés possibles en utilisant des outils ne provoquant pas d'étincelles. Placer dans un récipient fermé approuvé pour le transport par les autorités compétentes. Nettoyer les résidus avec de l'eau. Fermer hermétiquement dans un récipient. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7 : Manipulation et entreposage

7.1. Précautions à prendre pour une manipulation sans danger

Réservé aux industries et aux professionnels. Non destiné à l'utilisation grand public. Ne pas utiliser dans des espaces clos ni là où il y a très peu ou aucun mouvement de l'air. Conserver à l'écart de la chaleur, des étincelles, des flammes nues et des surfaces chaudes. Il est interdit de fumer. Ne pas vaporiser à proximité des flammes ou des sources d'inflammation. Ne pas perforer ni brûler, même après usage. Ne pas respirer les poussières, fumées, brouillards, gaz, vapeurs ou émanations. Éviter tout contact du produit avec les yeux, la peau ou les vêtements. Ne pas manger, boire ou fumer en utilisant le produit. Bien se laver les mains après utilisation du produit. Éviter tout contact avec des agents oxydants (comme le chlore, l'acide chromique, etc.).

7.2. Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités

Entreposer dans un endroit bien ventilé. À protéger contre les rayons solaires et à ne pas exposer à une température supérieure à 50°C/122F. Entreposer à l'écart de la chaleur; Entreposer à l'écart des acides; Entreposer à l'écart des oxydants.

SECTION 8 : Contrôles d'exposition/protection personnelle

8.1. Paramètres de contrôle

Limites d'exposition en milieu de travail

Si un composant est divulgué à l'article 3, mais n'apparaît pas dans le tableau ci-dessous, une limite d'exposition professionnelle n'est pas disponible pour le composant.

Ingrédient	Numéro CAS	Agence	Type de limite	Mentions additionnelles
2-aminoéthanol	141-43-5	ACGIH	MPT:3 ppm;STEL:6 ppm	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer Recommended Guideline

MPT : moyenne pondérée dans le temps

STEL : Limite d'exposition de courte durée

C : Valeur plafond

8.2. Contrôles d'exposition

8.2.1. Mesures d'ingénierie

Ne pas demeurer dans une zone où l'apport en oxygène peut être déficient. Disposer d'un appareil de ventilation par dilution générale et/ou d'un appareil de ventilation par aspiration localisé pour contrôler les niveaux d'exposition aux particules en suspension dans l'air et s'assurer qu'elles se situent en dessous des limites d'exposition applicables et pour contrôler les poussières, fumées, gaz, brouillards, vapeurs ou émanations. Si la ventilation n'est pas adéquate, utiliser un appareil de protection respiratoire.

8.2.2. Équipement de protection individuelle

Protection des yeux/du visage

Choisissez et utilisez protection des yeux/du visage pour éviter le contact basé sur les résultats d'une évaluation de l'exposition. Les protections des yeux suivantes sont recommandées:

Écran facial plein

Lunettes de protection ouvertes.

Protection de la peau/des mains

Sélectionner et porter des gants et/ou des vêtements de protection pour éviter tout contact avec la peau selon les résultats d'une évaluation du degré d'exposition. Consulter le fabricant de gants et/ou de vêtements de protection pour la sélection de matériaux compatibles appropriés.

Des gants constitués du/des matériaux suivants sont recommandés: Caoutchouc Butyle

Néoprene

Caoutchouc nitrile

Protection respiratoire :

Une évaluation de l'exposition peut être nécessaire pour décider si un appareil de protection respiratoire est nécessaire. Si un appareil de protection respiratoire est nécessaire, porter des masques dans le cadre d'un programme de protection respiratoire complet. Sur la base des résultats de l'évaluation de l'exposition, sélectionnez le type de respirateur suivant (s) afin de réduire l'exposition par inhalation:

Demi-masque respiratoire ou masque complet adapté pour des vapeurs organiques

Demi-masque respiratoire ou masque complet avec adduction d'air.

Pour des questions concernant une utilisation spécifique, consulter le fabricant de votre appareil respiratoire.

SECTION 9 : Propriétés chimiques et physiques

9.1. Informations sur les propriétés physiques et chimiques essentielles

État physique	Liquide
Aspect physique spécifique:	Aérosol
couleur	Incolore
Odeur	Éther doux
Valeur de seuil d'odeur	<i>Pas de données disponibles</i>
pH	11 - 12 [Détails:(concentré)]
Point de fusion/Point de congélation	<i>Ne s'applique pas</i>
Point d'ébullition	Environ 100 °C
Point d'éclair :	<i>Ne s'applique pas</i>
Vitesse d'évaporation :	<i>Pas de données disponibles</i>
Inflammabilité (solide, gaz)	<i>Ne s'applique pas</i>
Limites d'explosivité (LIE)	<i>Pas de données disponibles</i>
Limites d'explosivité (LSI)	<i>Pas de données disponibles</i>
pression de vapeur	<i>Pas de données disponibles</i>
Densité de vapeur et/ou Densité de vapeur relative;	<i>Pas de données disponibles</i>

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Densité	0,95 g/ml
Densité relative	0,95 [Ref Std:Eau=1]
Hydrosolubilité	Totale
Solubilité (non-eau)	<i>Pas de données disponibles</i>
Coefficient de partage : n-octanol/eau	<i>Pas de données disponibles</i>
Température d'inflammation spontanée	<i>Pas de données disponibles</i>
Température de décomposition	<i>Pas de données disponibles</i>
Viscosité / Viscosité Cinématique	72 mPa-s [Détails:(concentré)]
Composés Organiques Volatils	25 - 30 % en poids
Pourcentage de matières volatiles	90 - 100 %
COV (moins l'eau et les solvants exempts)	500 - 900 g/l
Essai d'inflammabilité dans un espace clos	293,67 s/m ³

Nanoparticules

Ce matière ne contient pas des nanoparticules.

SECTION 10 : Stabilité et réactivité

10.1 Réactivité

Ce matériau pourrait s'avérer réactif avec certains agents et sous certaines conditions - consulter les autres titres de cette section.

10.2 Stabilité chimique

Stable.

10.3 Possibilité de réactions dangereuses

Une polymérisation dangereuse ne se produira pas.

10.4 Condition à éviter

Chaleur

La lumière.

10.5 matériaux incompatibles

Acides puissants

Agents oxydants forts.

10.6 Produits de décomposition dangereux

<u>Substance</u>	<u>Condition</u>
Monoxyde de carbone	Non spécifié
Bioxyde de carbone	Non spécifié
oxydes d'azote	Non spécifié

SECTION 11 : Renseignements toxicologiques

Les informations ci-dessous peuvent être inconsistantes avec la classification du produit dans la section 2 si les classifications de certains ingrédients sont attribuées par une autorité compétente. En outre, les données toxicologiques de certains ingrédients peuvent ne pas être reprises dans la classification du produit et/ou les signes et symptômes de l'exposition. Une cause possible est qu'un ingrédient peut être présent en dessous du seuil d'étiquetage un ingrédient peut être indisponible pour l'exposition ou les données ne s'appliquent pas au produit dans son ensemble.

11.1 Informations sur les effets toxicologiques

Signes et symptômes d'exposition

Décapant pour Plinthes TroubleShooter(MC)

Selon les données d'essai et/ou les renseignements sur les composants, ce matériau peut produire les effets suivants sur la santé :

Inhalation :

Irritation des voies respiratoires: Les signes/symptômes peuvent inclure la toux, des éternuements, l'écoulement nasal, des maux de tête, l'enrouement et des douleurs au nez et à la gorge. Peut provoquer des effets additionnels sur la santé (voir ci-dessous).

Contact avec la peau :

Irritation modérée de la peau: les symptômes peuvent inclure: rougeurs locales, boursoufflures, démangeaisons et dessèchement, fissuration, formation de cloques, et la douleur

En cas de contact avec les yeux :

Corrosion (brûlures oculaires) : les signes et les symptômes sont notamment un embrouillement de la cornée, des brûlures chimiques, de graves douleurs, une dilacération, des ulcérations, une réduction significative ou une perte totale de la vue.

Ingestion :

Irritation gastro-intestinale: Les signes/symptômes peuvent inclure: douleurs abdominales, maux d'estomac, nausées, vomissements et diarrhée.

Autres effets de santé:

Une exposition unique peut provoquer des effets sur l'organe cible:

Une seule exposition au-delà des limites recommandées, peut causer :

Sensibilisation cardiaque : les signes et les symptômes sont notamment un rythme cardiaque irrégulier (arythmie), des pertes de conscience, des douleurs thoraciques et, possiblement, le décès subit.

Données toxicologiques

Si un composant est listé en section 3 mais n'apparaît pas dans une table ci-dessous, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

Toxicité aiguë

Nom	Voie	Espèces	Valeur
Produit général	Dermale		Pas de données disponibles. Calculé ETA > 5 000 mg/kg
Produit général	Inhalation - Vapeur (4 h)		Pas de données disponibles. Calculé ETA > 50 mg/l
Produit général	Ingestion		Pas de données disponibles. Calculé ETA > 5 000 mg/kg
1-BUTOXY-2-PROPANOL	Dermale	Rat	LD50 > 2 000 mg/kg
1-BUTOXY-2-PROPANOL	Inhalation - Vapeur	Rat	LC50 > 8,5 mg/l
1-BUTOXY-2-PROPANOL	Ingestion	Rat	LD50 2 124 mg/kg
Gaz de pétrole liquéfiés adoucis	Inhalation-Gaz (4 heures)	Rat	LC50 277 000 ppm
2-aminoéthanol	Inhalation - Vapeur	classification officielle	LC50 estimée à 10 - 20 mg/l
2-aminoéthanol	Dermale	Lapin	LD50 1 000 mg/kg
2-aminoéthanol	Ingestion	Rat	LD50 1 720 mg/kg

ETA = estimation de la toxicité aiguë

Corrosion/irritation cutanée

Nom	Espèces	Valeur
1-BUTOXY-2-PROPANOL	Lapin	irritant légère
Gaz de pétrole liquéfiés adoucis	Jugement	Aucune irritation significative

Décapant pour Plinthes Troubleshooter(MC)

	professionnel	
2-aminoéthanol	Lapin	Corrosif

Blessures graves aux yeux/Irritation

Nom	Espèces	Valeur
1-BUTOXY-2-PROPANOL	Lapin	Irritant grave
Gaz de pétrole liquéfiés adoucis	Jugement professionnel	Aucune irritation significative
2-aminoéthanol	Lapin	Corrosif

Sensibilisation de la peau

Nom	Espèces	Valeur
2-aminoéthanol	Cochon d'Inde	Non classifié

Sensibilisation respiratoire

Pour le composant/les composants, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

Mutagenicité des cellules germinales

Nom	Voie	Valeur
Gaz de pétrole liquéfiés adoucis	In Vitro	N'est pas mutagène
2-aminoéthanol	In Vitro	N'est pas mutagène
2-aminoéthanol	In vivo	N'est pas mutagène

Cancérogénicité :

Pour le composant/les composants, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

Effets toxiques sur la reproduction**Effets sur la reproduction et/ou le développement**

Nom	Voie	Valeur	Espèces	Résultat de l'essai	Durée d'exposition
2-aminoéthanol	Dermale	Non classifié pour la développement	Rat	Niveau sans effet nocif observé 225 mg/kg/day	pendant l'organogénèse
2-aminoéthanol	Ingestion	Non classifié pour la développement	Rat	Niveau sans effet nocif observé 616 mg/kg/day	pendant l'organogénèse

Organe(s) cible(s)**Toxicité spécifique pour certains organes cibles - exposition unique**

Nom	Voie	Organe(s) cible(s)	Valeur	Espèces	Résultat de l'essai	Durée d'exposition
Gaz de pétrole liquéfiés adoucis	Inhalation	sensibilisation cardiaque	Risque avéré d'effets graves pour les organes.	Composants similaires	Niveau sans effet nocif observé Pas disponible	
Gaz de pétrole liquéfiés adoucis	Inhalation	dépression du système nerveux central	Peut provoquer somnolence ou vertiges		Niveau sans effet nocif observé Pas disponible	
Gaz de pétrole liquéfiés adoucis	Inhalation	irritation respiratoires	Non classifié		Niveau sans effet nocif	

Décapant pour Plinthes Troubleshooter(MC)

					observé Pas disponible	
2-aminoéthanol	Inhalation	irritation respiratoires	Peut irriter les voies respiratoires.	Homme et animal	Niveau sans effet nocif observé Pas disponible	

Toxicité spécifique pour certains organes cibles - exposition répétée

Nom	Voie	Organe(s) cible(s)	Valeur	Espèces	Résultat de l'essai	Durée d'exposition
Gaz de pétrole liquéfiés adoucis	Inhalation	rénale et / ou de la vessie	Non classifié	Rat	Niveau sans effet nocif observé Pas disponible	
2-aminoéthanol	Inhalation	foie rénale et / ou de la vessie système respiratoire	Non classifié	Multiple espèces animales.	Niveau sans effet nocif observé 0,656 mg/l	5 semaines
2-aminoéthanol	Ingestion	système vasculaire foie rénale et / ou de la vessie système respiratoire	Non classifié	Rat	Niveau sans effet nocif observé Pas disponible	

Risque d'aspiration

Pour le composant/les composants, soit aucune donnée n'est disponible pour ce danger, soit les données ne sont pas suffisantes pour établir une classification.

Veillez communiquer à l'adresse ou au numéro de téléphone indiqué à la première page de la fiche signalétique santé-sécurité pour de plus amples renseignements sur ce matériau ou ses composants.

SECTION 12 : Renseignements écologiques

Pas de données disponibles.

SECTION 13 : Considérations relatives à l'élimination

13.1. Méthodes d'élimination

Éliminer les contenus/contenants conformément aux règlements locaux, régionaux, nationaux et internationaux.

Évacuer les déchets vers une usine de gestion des déchets industriels autorisée. L'établissement doit être capable de manipuler les produits en aérosol. Les fûts/barils/contenants utilisés pour le transport et la manutention de produits chimiques dangereux (substances chimiques, mélanges, préparations classifiées comme dangereuses en vertu des règlements applicables) doivent être considérés, entreposés, traités et éliminés comme des déchets dangereux sauf mention contraire dans des règlements applicables sur la gestion des déchets. Consulter les organismes de réglementation concernés pour déterminer les installations de traitement et d'élimination disponibles.

SECTION 14 : Renseignements sur le transport

Pour l'informations de transport, s'il vous plaît visitez <http://3M.com/Transportinfo> ou par téléphone 1-800-364-3577 ou 651-737-6501.

SECTION 15 : Renseignements réglementaires

15.1. Réglementation/législation particulière à la substance ou au mélange en matière de sécurité, de santé et d'environnement

Statut des inventaires

Contactez 3M pour plus de renseignements. Les composants de ce matériau sont conformes aux dispositions de la Korean Toxic Chemical Control Law (loi coréenne de réglementation des produits chimiques toxiques). Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composés de ce matériau sont conformes aux dispositions du NICNAS (National Industrial Chemical Notification and Assessment Scheme) de l'Australie. Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composants de ce matériau sont conformes aux dispositions de la Philippines RA 6969 exigences. Certaines restrictions peuvent s'appliquer. Communiquer avec la division des ventes pour obtenir plus de renseignements. Les composants de ce produit sont conformes aux exigences relatives aux avis sur les produits chimiques de la CEPA. Ce produit est conforme aux mesures sur la gestion environnementale des nouvelles substances chimiques. Tous les ingrédients sont listés ou exemptés de l'inventaire Chinois IECSC. Les composés de ce produit sont conformes aux exigences de notification des produits chimiques de la TSCA (Loi réglementant les substances toxiques).

SECTION 16 : Autres renseignements

Classement des risques par la NFPA

Santé: 3 **Inflammabilité:** 3 **Instabilité :** 0 **Risques particuliers :** Aucun

Les cotes d'évaluation des risques établies par la National Fire Protection Association (NFPA) sont destinées à aider le personnel d'intervention d'urgence à déterminer les risques présentés par l'exposition aiguë à court terme à un matériau au cours d'incendies, de déversements ou d'autres situations d'urgence semblables. Pour les établir, on tient principalement compte des propriétés physiques et toxiques du matériau, mais également des propriétés toxiques des produits de combustion ou de décomposition qui sont générés en grande quantité.

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Les renseignements contenus dans la présente fiche de données de sécurité (FDS) étaient jugés exacts au moment de la publication. 3M N'OFFRE AUCUNE GARANTIE OU CONDITION EXPLICITE OU IMPLICITE, TATUTAIRE OU AUTRE, Y COMPRIS, MAIS SANS S'Y LIMITER, TOUTE GARANTIE OU CONDITION IMPLICITE DE QUALITÉ MARCHANDE OU D'ADAPTATION À UN USAGE PARTICULIER, OU TOUTE GARANTIE OU CONDITION IMPLICITE DÉCOULANT DE LA CONDUITE DES AFFAIRES, DES PRATIQUES COURANTES ET DES USAGES DU COMMERCE. Il incombe à l'utilisateur d'établir si le produit 3M convient à l'usage auquel il le destine et à la méthode d'utilisation ou d'application prévue. Comme l'utilisateur est parfois seul à connaître les nombreux facteurs qui interviennent dans l'utilisation et l'application d'un produit 3M et à y exercer un quelconque pouvoir, il est essentiel qu'il évalue le produit 3M avant de déterminer s'il convient à l'usage auquel il le destine et à la méthode d'utilisation ou d'application prévue.

Les FDS de 3M Canada sont disponibles sur www.3m.ca