

## Safety Data Sheet



### Reflect

#### 1. Identification of the substance/mixture and supplier

Product Name	Reflect
Other names	
Recommended Uses	Glass cleaner
Supplier	Hygiene Technologies Ltd
Street address	28 Rangitane Road, Whakatu, Hastings 4172 New Zealand
Freephone Number	0800 732 525
Telephone Number	(06) 876 4111
Facsimile	(06) 878 3802
Email	<a href="mailto:info@hygienetech.co.nz">info@hygienetech.co.nz</a>
Emergency Telephone	NZ Fire Service - 111 National Poisons Centre – 0800 764 766 (0800 POISON)

#### 2. Hazards Identification

Dangerous Goods	Not classified as a Dangerous Good according to NZS5433:2020 "Transport of Dangerous Goods on Land".
Hazardous Substances	Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.
Signal Word	<b>WARNING</b>
Hazard Classifications	Flammable Liquids – Category 4 Eye Irritation – Category 2A
Hazard Statements	Combustible liquid. Causes serious eye irritation.
Precautionary Statements	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling.
Response Statements	In case of fire: Use water fog, alcohol resistant foam, standard foam or dry agent to extinguish. 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 attention.
Storage	Store in a well-ventilated place.
Disposal	Dispose of contents/container in accordance with local regulations.



### 3. Composition/Information on Ingredients

Contents	CAS Number	Proportion
2-Propanol, 1-methoxy-	107-98-2	<10%
2-Propanol, 1-butoxy-	5131-66-8	<10%
Sodium dodecyldiphenyl oxide disulphonate	119345-04-9	<2%
Ammonium hydroxide	1336-21-6	<2%
Water and ingredients that are not hazardous at the concentrations used	NA	to balance

### 4. First Aid Measures

For advice, contact National Poisons Information Centre (Phone 0800 764 766) or a doctor. Have product container or label at hand. Get medical advice/attention if you feel unwell.

<b>Swallowed</b>	If swallowed do <b>NOT</b> induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTRE or doctor.
<b>Eye Contact</b>	Immediately flush with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.
<b>Skin Contact</b>	Effects may be delayed. If skin or hair contact occurs, remove contaminated clothing and flush skin with running water. If swelling, redness, blistering or irritation occurs, seek medical attention. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water and soap, if necessary. For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering or irritation occurs, seek medical attention.
<b>Inhaled</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor.
<b>Advice to Doctor</b>	Treat symptomatically.

### 5. Fire-fighting Measures

<b>Specific Hazards</b>	Combustible liquid.
<b>Suitable Extinguishing Media</b>	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
<b>Fire-fighting advice</b>	On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

## 6. Accidental Release Measures

### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

**Dangerous Goods - Initial Emergency Response Guide No:** Not applicable

## 7. Handling and Storage

### Handling advice

Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

### Storage advice

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

## 8. Exposure Controls / Personal Protection

### Workplace Exposure Guidelines

Propylene glycol monomethyl ether – 100ppm ; 369mg/m<sup>3</sup> (TWA) 150ppm ; 553mg/m<sup>3</sup> (STEL)

### Biological Limit Values

As per the WorkSafe New Zealand the ingredients in this material do not have a biological limit allocated.

### Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

### Personal Protective Equipment

GLOVES, SAFETY GLASSES.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

Wear gloves and safety glasses. Available information suggests that gloves made from butyl rubber, natural rubber, nitrile rubber, neoprene, polyvinyl chloride (PVC) should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

### Hygiene Measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical and Chemical properties

<b>Physical state</b>	Clear blue liquid
<b>Odour</b>	Slight solvent and ammonia smell
<b>Solubility</b>	Completely soluble in all proportions
<b>Specific Gravity</b>	0.99 – 1.01
<b>Flash Point (°C)</b>	71°C
<b>pH</b>	10.5 (100% solution)
<b>Viscosity</b>	Low viscosity similar to water
<b>Freezing Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Evaporation Rate</b>	Not available

## 10. Stability and Reactivity

<b>Stability</b>	This material is thermally stable when stored and used as directed.
<b>Conditions to avoid</b>	Elevated temperatures and sources of ignition. Store in a cool location.
<b>Incompatible materials</b>	Oxidising agents
<b>Hazardous decomposition products</b>	Oxides of carbon and nitrogen, smoke and other toxic fumes.
<b>Hazardous reactions</b>	No known hazardous reactions.

## 11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled or overexposure occurs are:

<b>Swallowed</b>	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
<b>Eye Contact</b>	An eye irritant.
<b>Skin Contact</b>	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
<b>Inhaled</b>	Material may be an irritant to mucous membranes and respiratory tract.
<b>Toxicological Data</b>	
<b>Inhalation</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 5,000 ppm gas.
<b>Skin Contact</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw.
<b>Ingestion</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw
<b>Corrosion/Irritancy</b>	Eye: this material has been classified as a 6.4A - Substances that are irritating to the eye. Skin: this material has been classified as not corrosive or irritating to skin.
<b>Sensitisation</b>	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

## 12. Ecological information

Avoid contaminating waterways. This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

**Aquatic toxicity:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K<sub>ow</sub> < 4.

## 13. Disposal

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

**Special Precautions:** Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements. Do not store food stuffs in used containers.

## 14. Transport information

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDGCode) for transport by sea.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

## 15. Regulatory Information

**ERMA (NZ) Approval Code**     HSR 002525

**Group Standard**                     Industrial and Institutional Cleaning Products (Combustible)  
Group Standard 2020

**Classifications**                     Flammable Liquids – Category 4  
Eye Irritation – Category 2A

For more information refer to the ERMA website: [www.epa.govt.nz](http://www.epa.govt.nz)

## 16. Other information

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

END OF SDS.