

## SAFETY DATA SHEET

**Item Code: N0752/53/54**

Section 1.	Identification of the material and the supplier
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Item Code: N0752/53/54  
 Product: Bio-Clean Cleaner Degreaser  
 Product Use: General Purpose Cleaner

New Zealand Supplier: Realcold Ltd  
 Address: 9 Prescott Street  
 Penrose, Auckland  
 Telephone: 09 526 5700  
 Fax Number: 09 526 5721

**Emergency Telephone: 09 526 5700**  
**0800 766 764 (National Poison Centre)**

Manufacturer: Greenerth Solutions Ltd  
 PO Box 64-125  
 Botany  
 Auckland

Date of MSDS Preparation: 14 March 2017– version 2

Section 2.	Hazards Identification
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**This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001***

**EPA Approval No: HSR002525 Cleaning Product (combustible)**



*Irritant*

HSNO Class.	Hazard Code	Hazard Statement	EU Risk Phrases
3.1D	H227	Combustible liquid.	
6.3A	H315	Causes skin irritation.	R38
6.4A	H319	Causes serious eye irritation.	R36

Prevention Code	Prevention Statement
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P103	Read label before use.
P210	Keep away from open flames and hot surfaces. No smoking.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and eye protection

**Response Code      Response Statement**

P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use Foam, dry chemical, CO <sub>2</sub> , or water fog.

<b>Storage Code</b>	<b>Storage Statement</b>
P403 + P235	Store in a well-ventilated place. Keep cool.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Triple rinse and dispose of according to local authorities

**Section 3.      Composition / Information on Ingredients**

Ingredients	Wt%	CAS NUMBER.
Alkyl polyglycoside	5-8	68515-73-1
Ethylene Glycol Monobutly Ether	5-8	111-76-2
Sodium Metasilicate	1-2	6834-92-0
Trilon M Powder	1-2	164462-16-2
Oil of Eucalyptus	>1	8000-48-47

**Section 4.      First Aid Measures**

Routes of Exposure:

- If in Eyes                      Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
- If on Skin                        Remove contaminated clothing and wash skin with warm soapy water. Get medical assistance if needed.
- If Swallowed                    If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
- If Inhaled                        If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

**Section 5.      Fire Fighting Measures**

<b>Hazard Type</b>	Combustible
<b>Hazards from</b>	Foam or water can cause frothing. Heat may build up pressure and

<b>decomposition products</b>	rupture containers
<b>Suitable Extinguishing media</b>	Foam, dry chemical, CO2, or water fog.
<b>Precautions for firefighters and special protective clothing</b>	Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.
<b>HAZCHEM CODE</b>	None allocated

**Section 6. Accidental Release Measures**

**Steps to be taken in case material is released or spilled:**

Remove all sources of ignition. Use absorbent materials to prevent footing hazard and to contain. Ventilate area with natural or explosion-proof, forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

**Section 7. Handling and Storage**

**Handling & Storage:**

Shake well before using. Keep away from heat, sparks and open flames. Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions. Do not reuse empty containers.

**Section 8 Exposure Controls / Personal Protection**

**Engineering Controls :** Ventilation – Local exhaust acceptable

**Personal Protection**

**Respiratory protection (specify type):**

In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during soldering operations until fumes have dissipated

**Protective Gloves:** Wear rubber gloves.

**Eye protection:** Safety glasses (ANSI Z-87.1 or equivalent)

**Other protective clothing or equipment:**

Chemical resistant coveralls

**Work/hygienic practices:**

Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Clear Green Liquid
<b>Odour</b>	Eucalyptus
<b>Flash Point</b>	63°C
<b>Boiling Point</b>	100°C
<b>pH</b>	11
<b>Vapor Density (Air=1)</b>	<1
<b>Evaporation Rate (Ethyl Acetate =1)</b>	>1
<b>Specific Gravity</b>	1.04

Product Name: BIO-Clean Cleaner  
Date of MSDS: 26 November 2012

Item No: N0752/53/54

Issued by: Realcold Ltd  
Tel: 64 9 526 5700

**Solubility in Water** Soluble

### Section 10. Stability and Reactivity

**Stability of Substance** Stable  
**Conditions to Avoid** None  
**Incompatible Materials** Oxidisers, acids and bases  
**Hazardous Decomposition Products** CO and fragmented Hydrocarbons

### Section 11 Toxicological Information

**Ethyle Glycol Butyl Ether** Oral-Rat LD50:N/D  
Inhalation-Rat LC50:N/D

**Sodium Metasilicate** Oral-Rat LD50:1153 mg/kg  
I inhalation-Rat LC50:N/D

### Section 12. Ecotoxicological Information

This product is not known to be an environmental hazard

### Section 13. Disposal Considerations

Triple rinse containers and dispose of according to local regulations.

### Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

### Section 15 Regulatory Information

**This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001**

**HSNO Approval No.:** HSR002525 Cleaning Product (combustible)

	<b>Trigger Quantity</b>
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage	10 000L (3.1D)
Emergency Response Plan	10 000L (3.1D)

### Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

#### Disclaimer

This document has been issued by Realcold Limited and serves as their Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Realcold Limited or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Realcold Limited have taken all due care to include accurate and up-to-

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Please contact the New Zealand distributor, Realcold Ltd, if further information is required.

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Review Date: 26 November 2017