

**BIOCLEAN CLEANER DEGREASER**

=====  
 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION  
 =====

|                             |                                 |        |
|-----------------------------|---------------------------------|--------|
| PRODUCT NAME                | GROUP CODE                      | 400049 |
| BIO-CLEAN Cleaner Degreaser | Health                          | 2      |
| PRODUCT CODES               | Flammability                    | 2      |
| ECD/1, ECD/5 ECD/20         | Reactivity                      | 0      |
| CHEMICAL FAMILY             | PPI                             | B      |
| Organic/Inorganic           |                                 |        |
| USE                         |                                 |        |
| General Purpose Cleaner     |                                 |        |
| MANUFACTURER'S NAME         | EMERGENCY TELEPHONE NO.         |        |
| GreenEarth Solutions Ltd    | Poisons Information Centre      |        |
| PO Box 64-125               | New Zealand 0800-764-766        |        |
| Botany, Auckland NZ 1703    | Australia 13-1126               |        |
| DATE OF PREPARATION         | TECHNICAL SERVICE TELEPHONE NO. |        |
| 1st, September 2013         | 0064-9-2724141                  |        |

=====  
 Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS  
 =====

| % by WT | INGREDIENT                     |
|---------|--------------------------------|
| 5-10    | Coconut derived surfactant     |
| 5-10    | Solvent PG                     |
| 1-2     | Biodegradable builder          |
| 1-2     | Chelating powder biodegradable |
| 1≥      | Oil of Eucalyptus              |

=====  
 Section 3 -- HAZARDS IDENTIFICATION 6.3A, 6.4A  
 =====

Irritation to eyes, nose, and throat Skin irritation, dermatitis, and defatting.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION  
 Nasal and respiratory irritation, dizziness, narcosis, headache, nausea,

EYE CONTACT  
 Watering, blurred vision, inflammation, and irritation which can result in corneal injury.

SKIN CONTACT  
 Irritation, dermatitis.

INGESTION  
 Nausea, vomiting irritation of gastrointestinal tract,

SUMMARY OF CHRONIC HAZARDS  
 Skin irritation, contact dermatitis, and defatting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
 Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

=====  
 Section 4 -- FIRST AID MEASURES  
 =====

|             |                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| If on SKIN: | Immediately wash with soap and water. Remove and wash any contaminated clothing.                                                                                                  |
| If in EYES: | Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.                                                                              |

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.

=====  
 Section 5 -- FIRE FIGHTING MEASURES  
 =====

FLASH POINT - N/A

EXTINGUISHING MEDIA

Foam, dry chemical, CO2, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Foam or water can cause frothing. Heat may build up pressure and rupture containers.

=====  
 Section 6 -- ACCIDENTAL RELEASE MEASURES  
 =====

Environmental releases - In the event of a spill, the focus is on containing the spill to prevent contamination of soil, surface or ground water. If BioClean does reach soil and water nearby, it is considered practically non-toxic to aquatic organisms and it biodegrades rapidly. If BioClean is present in a fire situation, it can produce toxic fumes. Proper protective equipment should be worn.

=====  
 Section 7 -- HANDLING AND STORAGE  
 =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Shake well before using. Keep away from heat, sparks and open flames.

OTHER PRECAUTIONS: 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  
 =====

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.

VENTILATION - LOCAL EXHAUST: Acceptable

SPECIAL: Explosion proof

MECHANICAL (GENERAL): Acceptable

OTHER: N/A

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  
 =====

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| BOILING POINT:                        | >212 F (100 C) @ 760mm Hg             |
| SPECIFIC GRAVITY (H2O = 1):           | 1.04                                  |
| VAPOR PRESSURE (mm Hg):               | N/D                                   |
| MELTING POINT:                        | N/A                                   |
| VAPOR DENSITY (AIR = 1):              | <1                                    |
| EVAPORATION RATE (ETHYL ACETATE = 1): | >1                                    |
| pH                                    | 11.0                                  |
| APPEARANCE/ODOR:                      | Clear Green Liquid / Eucalyptus Odour |
| SOLUBILITY IN WATER:                  | Soluble                               |

=====  
 Section 10 -- STABILITY AND REACTIVITY  
 -----

STABILITY: Stable  
 CONDITIONS TO AVOID: None  
 INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers, acids and bases.  
 HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO, and fragmented hydrocarbons.  
 HAZARDOUS POLYMERIZATION: Will not occur.

=====  
 Section 11 -- TOXICOLOGY INFORMATION  
 -----

CHRONIC HEALTH HAZARDS  
 No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

TOXICOLOGY DATA  
 Ingredient Name

-----  
 Propylene Glycol  
                   Oral-Rat LD50:N/D  
                   Inhalation-Rat LC50:N/D  
 Sodium Metasilicate  
                   Oral-Rat LD50:1153 mg/kg  
                   Inhalation-Rat LC50:N/D

=====  
 Section 12 -- Ecological Information  
 -----

Product is not volatile, and is miscible with water. Concentrations of BioClean PG in the air are expected to be extremely low because of its low vapor pressure. It is readily biodegraded in water or soil (via aerobic and anaerobic mechanisms).

If a spill should occur, BioClean partitions almost equally in water and soil. Relatively little will go into the air because of its low vapor pressure. Is not expected to bio-accumulate and is considered to be practically non-toxic to fish and aquatic invertebrates on an acute basis except at very high concentrations.

=====  
 Section 13 -- DISPOSAL CONSIDERATIONS  
 -----

Waste Classification: Non-regulated liquid waste  
 Disposal Method: Dispose of all liquid waste in accordance with all local, state and federal regulations.

=====  
 Section 14 -- TRANSPORTATION INFORMATION  
 -----

DOT: Non-Regulated  
 OCEAN (IMDG): Non-Regulated  
 AIR (IATA): Non-Regulated  
 WHMIS (CANADA): N/A

=====  
 Section 15 -- REGULATORY INFORMATION  
 -----

REGULATORY DATA  
 Ingredient Name

---

|                     |                |     |
|---------------------|----------------|-----|
| Propylene Glycol    | SARA 313       | No  |
|                     | TSCA Inventory | Yes |
|                     | CERCLA RQ      | N/A |
|                     | RCRA Code      | N/A |
| Sodium Metasilicate | SARA 313       | No  |
|                     | TSCA Inventory | Yes |
|                     | CERCLA RQ      | N/A |
|                     | RCRA Code      | N/A |
| Oil of Eucalyptus   | SARA 313       | No  |
|                     | TSCA Inventory | Yes |
|                     | CERCLA RQ      | N/A |
|                     | RCRA Code      | N/A |

---

Section 16 -- OTHER INFORMATION

---

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.