

**EVAPORATOR COIL CLEANER**

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION  
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PRODUCT NAME	HSNO CODE	HSR002530
Coil Cleaner	Health	2
PRODUCT CODES	Flammability	2
ECC/75, ECC/5 ECC/20	Reactivity	0
CHEMICAL FAMILY	PPI	B
Organic/Inorganic		
USE		
Cleaning refrigeration coils		
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, December 2013	0064-9-2724141	

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 % by WT            INGREDIENT  
 5-10              Coconut derived surfactant  
 5-10              Solvent PG  
 1-2                Biodegradable builder  
 1-2                Chelating powder biodegradable  
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 Section 3 -- HAZARDS IDENTIFICATION 6.3A, 6.4A  
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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.

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 Section 4 -- FIRST AID MEASURES  
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If INHALED:            If overcome by exposure, remove victim to fresh air  
 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.

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 Section 5 -- FIRE FIGHTING MEASURES  
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FLASH POINT

N/A

## EXTINGUISHING MEDIA

Foam, dry chemical, CO<sub>2</sub>, 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.

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Section 6 -- ACCIDENTAL RELEASE MEASURES  
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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.

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Section 7 -- HANDLING AND STORAGE  
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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.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
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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: splash aprons recommended

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.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES  
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BOILING POINT:	>212 F (100 C) @ 760mm Hg
SPECIFIC GRAVITY (H <sub>2</sub> O = 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
SOLUBILITY IN WATER:	Soluble

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Section 10 -- STABILITY AND REACTIVITY  
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STABILITY: Stable

MATERIAL SAFETY DATA SHEET

GreenEarth Solutions Ltd

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

ethylene Glycol Butyl Ether
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

ECOLOGICAL DATA

Ingredient Name

ethylene Glycol Butyl Ether
Food Chain Concentration Potential N/D
WATERFOWL TOXICITY N/D
BOD N/D
AQUATIC TOXICITY N/D
Sodium Metasilicate
Food Chain Concentration Potential N/D
WATERFOWL TOXICITY N/D
BOD N/D
AQUATIC TOXICITY N/D

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

Sodium Metasilicate
CERCLA RQ N/A
RCRA Code N/A
SARA 313 No
TSCA Inventory Yes
CERCLA RQ N/A

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Section 16 -- OTHER INFORMATION  
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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.