

AQUATREAT SCALE & CORROSION INHIBITOR

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 Section 1 -- PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT NAME	HMIS CODES	
AQUATREAT SCALE & CORROSION INHIBITOR	Health	2
PRODUCT CODES	Flammability	2
SCI/1, SCI /5 SCI /20	Reactivity	0
CHEMICAL FAMILY	PPI	B
Organic/Inorganic		
USE		
Preventing scale & corrosion in water systems		
MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.	
Greenleaf 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.	
15 th December, 2015	0064-9-272 4141	

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 Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS
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% by WT	INGREDIENT	UNITS
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--	Propylene glycol	
	ACGIH TLV	N/D
	OSHA PEL	N/D
	Citric acid	
	ACGIH TLV	N/D
	OSHA PEL	N/D
	Trilon M	
	ACGIH TLV	N/D
	OSHA PEL	N/D

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 Section 3 -- HAZARDS IDENTIFICATION - 8.2C 8.3A
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Not classified as a Dangerous Goods under NZS 5433:2007 Transport of Dangerous Goods on Land.
 Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
 Subclass 8.3 Category A - Substances that are corrosive to ocular tissue.
 Subclass 8.2 Category c - Causes serious eye damage

- Causes severe skin burns and eye damage
- Keep out of reach of children
- Read label before use
- Wear protective gloves

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 Section 4 -- FIRST AID MEASURES
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If INHALED:	If overcome by exposure, remove victim to fresh air Obtain medical attention.
If on SKIN:	Immediately wash with soap and water. Remove and wash all contaminated clothing.
If in EYES:	Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
If SWALLOWED:	Induce vomiting and call a physician

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 Section 5 -- FIRE FIGHTING MEASURES
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FLASH POINT	LEL	UEL
None	N/D	N/D

EXTINGUISHING MEDIA

Water spray, dry chemical, or foam

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

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

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: none

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
APPEARANCE/ODOR:	Clear Green Liquid / Mild 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

Irritation data: skin, rabbit: 500 mg/24H severe; eye rabbit: 50 ug/24H severe; investigated as a mutagen.

-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Sodium Hydroxide (1310-73-2)	No	No	None
Glycol Butyl Ether (111-76-2)	No	No	None
Acetodiphosphonic Acid (2809-21-4)	No	No	None

Section 12 -- Ecological Information

ECOLOGICAL DATA
 Ingredient Name

Sodium Hydroxide		
Food Chain Concentration Potential		N/D
WATERFOWL TOXICITY		N/D
BOD		N/D
AQUATIC TOXICITY		N/D
Glycol Butyl Ether		
Food Chain Concentration Potential		N/D
WATERFOWL TOXICITY		N/D
BOD		N/D
AQUATIC TOXICITY		N/D
Acetodiphosphonic Acid		
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

MATERIAL SAFETY DATA SHEET

Greenleaf Solutions Ltd

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

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Section 15 -- REGULATORY INFORMATION
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REGULATORY DATA
Ingredient Name

Polylene Glycol Butyl Ether		
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
Acetodiphosphonic Acid		
SARA 313		No
TSCA Inventory		Yes
CERCLA RQ		N/A
RCRA Code		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.