

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME: **Scale-Stop**

APPLICATION: Treatment of industrial process water.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

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|-----------------------------|-----------------|
| Calcium: | 10.00 – 15.00%. |
| Modified acrylic copolymer: | 50.00 – 60.00%. |
| Water: | 30.00 – 40.00%. |

3. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EC or 1999/45/EC.

4. FIRST AID MEASURES

INHALATION: Remove to fresh air.

SKIN CONTACT: May cause mild irritation. Wash with plenty of water and soap.

EYE CONTACT: May cause mild irritation. Wash well with water without delay and obtain medical attention if any sensations persist.

INGESTION: Remove material from mouth. May cause gastrointestinal irritation with nausea and diarrhoea. Drink plenty of water. If large amount swallowed or symptoms develop seek medical attention

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol resistant foam, dry powder, carbon dioxide

SPECIFIC HAZARDS: None.

SPECIAL PROTECTIVE EQUIPMENT: Protective clothing and self- contained breathing equipment should be available for firemen.

6. ACCIDENTAL RELEASE MEASURES

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| <u>PERSONAL PRECAUTIONS:</u> | As good practice safety glasses and gloves to be worn. |
| <u>ENVIRONMENTAL PRECAUTIONS:</u> | No special precautions required |
| <u>METHODS FOR CLEANING UP:</u> | Residues and small spillages can be washed away with water into any sewer. |
| <u>FURTHER INFORMATION:</u> | None Applicable. |

7. HANDLING AND STORAGE

No special precautions are necessary. Store in the original containers and avoid extremes of temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| <u>GENERAL PRECAUTIONS:</u> | Good industrial hygiene should be followed |
| <u>VENTILATION:</u> | Provide ventilation to meet exposure limits |
| <u>OCCUPATIONAL EXPOSURE LIMITS:</u> | TWA : 10 mg/m ³ (mist) |
| <u>PERSONAL PROTECTIVE EQPT:</u> | Normal precautions should be observed as for handling all chemicals. Use safety glasses and nitrile/rubber gloves |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| <u>FORM/COLOUR:</u> | White beads. |
| <u>ODOUR:</u> | Non-obnoxious. |
| <u>BOILING POINT (1013 mbar):</u> | N/A |
| <u>FLASH POINT (COC):</u> | N/A |
| <u>VAPOUR PRESSURE (20°C):</u> | N/A |
| <u>(100°C):</u> | N/A. |
| <u>pH:</u> | 6.50 – 8.00 |
| <u>SOLUBILITY:</u> | Insoluble in water. |

10. STABILITY AND REACTIVITY :

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| <u>CONDITIONS TO AVOID:</u> | Direct sources of heat |
| <u>MATERIALS TO AVOID:</u> | Strong acids and oxidising agents |
| <u>HAZARDOUS REACTIONS:</u> | None under normal use |
| <u>HAZARDOUS DECOMPOSITION PRODUCTS:</u> | In case of fire hazardous decomposition products may be produced such as: Carbon Oxides |

11. TOXICOLOGICAL INFORMATION

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|------------------------------------|----------------------------------|
| <u>LD50 ORAL, RAT:</u> | 5,000 mg/kg |
| <u>LD50 DERMAL, RABBIT:</u> | 5,000 mg/kg |
| <u>Mutagenicity Data:</u> | Ames mutagenicity: Non-mutagenic |

12. ECOLOGICAL INFORMATION

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|-----------------------------------|-----|
| DEGRADABILITY: | N/A |
| LC50, FISH: | N/A |
| EC50, BACTERIA: | N/A |
| WATER CONTAMINATING CLASS: | N/A |

13. DISPOSAL RECOMMENDATIONS

Recycle where possible. Incinerate according to local regulations.

14. TRANSPORT INFORMATION

Not classified in RID/ADR - ADNR - IMDG -ICAO/IATA-DGR

15. REGULATORY INFORMATION

Workplace Classification

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

This product is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS).

SARA TITLE 3: Section 311/312 Categorizations (40CFR 370)

This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

SARA TITLE 3: Section 313 Information (40CFR 372)

This product does not contain a chemical which is listed in Section 313 at or above de minimis concentrations.

CERCLA Information (40CFR 302.4)

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

Waste Classification

When a decision is made to discard this material as supplied, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

16. OTHER INFORMATION

This information is given in good faith and is based on information and tests believed to be reliable. The suitability of this product for any particular use is not suggested or implied. This document is not a specification and properties shown are not guaranteed.

