

Material Safety Data Sheet

33 Melford Drive, Unit 6 | Scarborough, ON Telephone:
M1B 2G6 416-757-1333
Fax 416-757-9793

Product name: **DESCALE** **Effective Date:** 9/15/2014

Product use:

WHMIS: WHMIS CLASS D-2B, E (CORROSIVE TO ALUMINUM)

EMERGENCY PHONE: CANUTEC (613) 996-6666

SECTION II: HAZARDOUS INGREDIENTS

Ingredients	CAS#	Wt%	ACGIH-TLV	LC50/LD50
Organic salt	506-89-8	60-100	Not Available	ORAL (LD50): Acute: 1121 mg/kg (Rat).

SECTION III: PHYSICAL DATA

Boiling point:	100°C	Specific Gravity:	1.21 (Water =1)
Vapor Pressure:	Not available	Vapor Density:	Not available
Solubility in		Percent Volatile:	Not available
Water:	Soluble		
Physical State:	Liquid	Evaporation Rate:	Not available
Appearance and	Clear	pH (as supplied):	<1
Odour:	Mild odour	Viscosity:	Water Thin

SECTION IV: FIRE AND EXPLOSION DATA

Flammability:	Non-flammable
Flash Points:	Not Applicable
Flammable Limits:	Not Applicable
Hazardous Combustion	
Products:	Not available
Means of Extinction:	Water spray, dry chemical, CO ₂ .
Special Fire Hazards:	Evacuate personnel to a safe area. Keep containers cool with water spray. Avoid breathing decomposition products. Wear self-contained breathing apparatus and full body protection. At temperatures above 60°C. acid action on most metals may release hydrogen.

SECTION V: REACTIVITY DATA

Stability:	Stable up to 110 ⁰ C. Heating above this temperature results in an exothermic decomposition with a rapid release of CO ₂ gas.
Incompatibility:	Avoid contact with oxidizers and aluminum. This material may be extremely hazardous in contact with chlorates or nitrates. Contact with hypochlorites (e.g.. bleach) will liberate toxic gases. Contact with alkaline materials will generate heat.
Hazardous Decomposition Products:	Thermal decomposition may yield oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released upon contact with certain metals.

SECTION VI: TOXICOLOGICAL PROPERTIES

Routes of Entry	Eye contact. Ingestion. Skin contact. Inhalation.
Acute Effects on Humans:	SKIN: ACUTE EXPOSURE IS IRRITATING. NON-CORROSIVE TO SKIN (AS DEFINED AND TESTED IN ACCORDANCE WITH THE WHMIS REGULATIONS AND TDG REGULATIONS. CLASSIFIED AS A MILD SKIN IRRITANT AS PER THE 1992 OECD GUIDELINE FOR TESTING OF CHEMICALS, NUMBER 404 "ACUTE DERMAL IRRITATION/CORROSION.") EYE CONTACT MAY BE PAINFUL AND IRRITATING. INHALATION: NOT A LIKELY ROUTE OF EXPOSURE DUE TO PHYSICAL PROPERTIES. PRODUCT HAS A LOW VAPOUR PRESSURE AT ROOM TEMPERATURE AND IS NOT EXPECTED TO PRESENT A SIGNIFICANT INHALATION HAZARD UNDER AMBIENT CONDITIONS. PRODUCT CAN BE IRRITATION TO THE RESPIRATORY TRACT IF INHALED AS A MIST OR IF THE MATERIAL IS VAPOURIZED. INGESTION: THIS PRODUCT MAY BE HARMFUL OR FATAL IF SWALLOWED.
Chronic Effects on Humans:	PRODUCT CAN BE IRRITATION TO THE RESPIRATORY TRACT IF INHALED AS A MIST OR IF THE MATERIAL IS VAPOURIZED. Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Synergistic Materials:	Not Available

SECTION VII: PREVENTATIVE MEASURES

Gloves:	Impervious gloves (RUBBER, NITRILE)
Eye Protection:	Safety Glasses
Respiratory Protection:	GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS.
Other Protective Equipment:	As required by employer code.

Engineering Controls:	Good general ventilation should be sufficient to control airborne levels.
Leak and Spill Procedure:	BEFORE ATTEMPTING CLEAN UP, REFER TO HAZARD DATA GIVEN ABOVE. SMALL SPILLS MAY BE ABSORBED WITH NON-REACTIVE ABSORBENT AND PLACED IN SUITABLE, COVERED LABELED CONTAINERS. PREVENT LARGE SPILLS FROM ENTERING SEWERS AND WATERWAYS. CONTACT EMERGENCY SERVICES AND SUPPLIER FOR ADVICE.
Waste Disposal:	Consult your local or regional authorities.
Storage Requirements:	Store in closed container, IN FIBERGLASS, POLYETHYLENE OR POLYPROPYLENE. DO NOT STORE IN METAL CONTAINERS. DO NOT STORE AT TEMPERATURES ABOVE 48 ⁰ C

SECTION VIII: FIRST AID

Eye:	Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. DO NOT use an eye ointment. Seek medical attention.
Skin:	Gently and thoroughly wash the contaminated skin with running water and a non-abrasive soap. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation:	Allow the victim to rest in a well ventilated area. If symptoms persist, seek medical attention.
Ingestion:	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek medical attention immediately.

SECTION IX: OTHER INFORMATION

TDG: Corrosive Liquids N.O.S. (organic salt solution) Class 8, UN 1760, PG III

References Merck Index, Raw Material MSDS

Additional remarks: None

Validated by Glengarry Chemicals on 15/09/2014.

Verified by Regulatory Affairs Dept.

While the company believes the data set forth herein is accurate as of the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.