

RTS INC.

Material Safety Data Sheet Safe 1 Descaler

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	Safe 1 Descaler
Manufacturer:	RTS INC. 5195 Bradco Blvd MISSISSAUGA ON 2A6 Tel: 905 625 5552 Date: April 11, 2013

Section 2 Hazardous Ingredients

Name	%	CAS#	LD50/LC50
Urea Hydrochloride	15-35	506-89-8	not available)

Section 3 Physical Data

State	Liquid	pH	1.0 -3.0
Appearance	Light amber	% Volatile	Approx 88%
Odor	none	Boiling Point	Approx. 100C.
Specific Gravity	0.98 – 1.02	Vapor Pressure	N Av.
Solubility	100% in water		

Section 4 Fire & Explosion

Flammable: YES NO X
Means of Extinction: Water, Carbon Dioxide, Dry Chemical or Foam
Special Procedures: Fire Fighters should wear self-contained breathing apparatus.
Flash Point: & Method: > 95°C TCC
Hazardous Combustion Products: N/A

Section 5 Reactivity Data

Chemical Stability: YES X up to ~110C NO
Conditions: N A above ~110C will react exothermically to release CO2p
Incompatibility: YES NO X
What Substances: Strong oxidizers, chlorate, nitrates, bleach, sulphides, cyanides
Reactivity / Conditions: Not Applicable
Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon, nitrogen and chlorine. Hydrogen gas may be released upon contact with certain metals.

Section 6 Toxicological Properties

Route of Entry

Skin Contact	X	Skin Absorption	Eye Contact	X
Inhalation Acute		Inhalation Chronic	Ingestion	X
Effects of Acute Exposure: Corrosive to eyes. Harmful or fatal if swallowed				
Effects of chronic exposure: Prolonged and repeated contact with skin may cause severe irritation				
Carcinogenicity; Reproductive Effects; Teratogenicity; Mutagenicity: No evidence of effects				

Section 7 Preventative Measures

Protective Equipment		
Gloves: X	Impervious gloves	Eyes: Not normally required
Respiratory:	Not normally required	Footwear: Not Applicable
LEAK AND SPILL PROCEDURE: For small spills wipe up or mop up. For large spills control spill with absorbent; transfer to non-leaking containers. Rinse area thoroughly		
WASTE DISPOSAL: Reclaim or dispose in accordance with local regulations		
STORAGE REQUIREMENTS: Store in cool, dry and well-ventilated area		

Section 8 First Aid Measures

Skin: Wash with soap and water for 15 minutes.
Eyes: Remove contact lenses Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for 15 minutes. If irritation persists see physician
Inhalation: Move to fresh air and restore breathing, if required.
Ingestion Drink large amounts of water or milk. Do not give anything by mouth to a convulsing or unconscious person. See a doctor immediately.
General Advice: If irritation persists see a doctor immediately.

Section 9 Preparation Information

Transportation: Corrosive Liquid, N.O.S. (urea monohydrate) UN 1760 CL 8 PKG III
WHMIS: E
Prepared by: RTS Inc. Quality Assurance Department
Emergency Telephone Number: 613 996 6666 (CANUTEC)

Date: April 11, 2013