

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined
N/A=Not Applicable

Product: Tile & Grout Acidic Cleaner	Manufacturer: ESTEAM	Flammability: 0
Chem. Name:	Trade Name: Acidic Cleaner	Reactivity: 1
Chem. Family:	Use: Tile & Grout Acidic Cleaner	Health: 1
		Protection:

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
Organic salt	506-89-8	30-60%		

PHYSICAL DATA

Physical State: Liquid	Boiling Point (C): N/D	Solubility in Water: 100 %	Evaporation Rate: N/D	Percent Volatile (vol): N/D
Odor/ Appearance: Amber	Freezing Point (C): 0	Ph (undiluted): <1	Specific Gravity: 1-1	Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N/A	Conditions: N/A	
Means of Extinction: N/A	Hazardous Combustion Products: N/A	
Special Procedures: None	Upper Explosion Limit (% by vol): N/A	
Explosion Sensitivity to Impact: None	Lower Explosion Limit (% by vol): N/A	
Chemical Sensitivity to Static Discharge: N/A	Auto-ignition: N/A	TDG/WHMIS: Corrosive liquid N.O.S. (urea monohydrochloride) class 8 UN 1760 Pg 111 E , D2B
Flashpoint (C) & Method: N/D	Rate of Burning: N/A	
	Explosive Power: N/A	

REACTIVITY DATA

Chemical Stability: Stable	Incompatible Substances: Oxidizer, chlorates or nitrates, hypochlorites
Hazardous Decomposition Product: Oxides of carbon, oxides of nitrogen and chlorine	

TOXICOLOGICAL PROPERTIES

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Route of Entry - Skin Contact:</td><td>N</td></tr> <tr><td>Route of Entry - Skin Absorption:</td><td>N</td></tr> <tr><td>Route of Entry - Eye Contact:</td><td>Y</td></tr> <tr><td>Route of Entry - Inhalation:</td><td>N</td></tr> <tr><td>Route of Entry - Ingestion:</td><td>Y</td></tr> </table>	Route of Entry - Skin Contact:	N	Route of Entry - Skin Absorption:	N	Route of Entry - Eye Contact:	Y	Route of Entry - Inhalation:	N	Route of Entry - Ingestion:	Y	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Reproductive Effects Y/N:</td><td>N</td></tr> <tr><td>Carcinogenicity Y/N:</td><td>N</td></tr> <tr><td>Mutagenicity Y/N:</td><td>N</td></tr> <tr><td>Teratogenicity Y/N:</td><td>N</td></tr> <tr><td>TLV:</td><td>N/D</td></tr> </table>	Reproductive Effects Y/N:	N	Carcinogenicity Y/N:	N	Mutagenicity Y/N:	N	Teratogenicity Y/N:	N	TLV:	N/D	<p>Effects of Overexposure:</p> <p>Acute Effects: Causes burns to eyes, prolonged or repeated contact may cause irritation.</p> <p>Chronic Effects: Prolonged and repeated exposure can cause drying, defatting and dermatitis.</p>
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PREVENTATIVE MEASURES

Gloves: rubber/nitrile	Footwear: N/A	Clothing: N/A
Eyes: chemical resistant glasses	Respirator: not normally required	Other: N/A

Recommended Engineered Controls: Use with adequate ventilation.	Leak & Spill Procedures: Flush to a sanitary drain.	Waste Disposal Methods: According to federal, provincial and municipal regulations.	Special Handling Procedures: Industrial use only. Keep out of reach of children.
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FIRST AID MEASURES

Inhalation:	Move person to fresh air. If necessary give artificial respiration or oxygen. Call doctor if in distress.
Ingestion:	Immediately rinse mouth and throat thoroughly with soap and water. Call a physician.
Eye Contact:	Immediately flush eyes with water for at least 15 minutes. Call a physician.
Skin Contact:	Immediately flush skin with running water for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

Prep./Revised Date: December 1, 2008	Mailing Address: Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2
Prepared By: R. Russell	
Source Material: Manufacturer's MSDS	
Emergency Response: 1-613-996-6666 (Transport Emergencies)	



This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.