

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

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

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	30-100%		

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

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

REACTIVITY DATA	Chemical Stability:	Incompatible Substances:
<b>Hazardous Decomposition Product:</b> Oxides of carbon, oxides of nitrogen and chlorine	Stable	Oxidizer, chlorates or nitrates, hypochlorites

TOXICOLOGICAL PROPERTIES	
<b>Route of Entry - Skin Contact:</b> N	<b>Reproductive Effects Y/N:</b> N
<b>Route of Entry - Skin Absorption:</b> N	<b>Carcinogenicity Y/N:</b> N
<b>Route of Entry - Eye Contact:</b> Y	<b>Mutagenicity Y/N:</b> N
<b>Route of Entry - Inhalation:</b> N	<b>Teratogenicity Y/N:</b> N
<b>Route of Entry - Ingestion:</b> Y	<b>TLV:</b> N/D
<b>Effects of Overexposure:</b>	
<b>Acute Effects:</b> Causes burns to eyes, prolonged or repeated contact may cause irritation.	
<b>Chronic Effects:</b> Prolonged and repeated exposure can cause drying, defatting and dermatitis.	

PREVENTATIVE MEASURES		
<b>Gloves:</b> rubber/nitrile	<b>Footwear:</b> N/A	<b>Clothing:</b> N/A
<b>Eyes:</b> chemical resistant glasses	<b>Respirator:</b> not normally required	<b>Other:</b> N/A

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

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

<b>Prep./Revised Date:</b> March 1, 2011	<b>Mailing Address:</b> Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2
<b>Prepared By:</b> R. Russell	
<b>Source Material:</b> Manufacturer's MSDS	
<b>Emergency Response:</b> 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.