

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS) N/D=Not Determined N/A=Not Applicable

Product: CLEAN-ZYME Use: Powdered Carpet Prespray Concentrate	Manufacturer: ESTEAM	Flammability: 0 Health: 1 Reactivity: 0 Protection: <small>NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4</small>
---	-----------------------------	--

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
Silicic Acid	6834-92-0		LD50 0.8 g/kg (oral-rat)	2 mg/M3
Sodium Carbonate	497198		LD50 4090 mg/kg (oral-rat)	N/A
Dipropylene Glycol Methyl Ether	34590-94-8		LD50 5135 mg/kg (oral-rat)	100 ppm
Sodium tripoly phosphate	7758-29-4		LD50 3900 mg/kg (oral-rat)	
Poly-(oxy-1, 2-ethanediyl) Alpha-undecyl-omega	34398-01-1		LD50 < 2000mg/kg (oral-rat)	

PHYSICAL DATA				Freeze/Thaw
Physical State:	Solid	Boiling Point (C):	N/A	Stable: Doesn't freeze
Odor/Appearance:	White powder, citrus odour	Freezing Point (C):	N/A	Percent Volatile (vol): N/A
		Ph (undiluted):	11.5	Vapor Pressure: N/A
		Solubility in Water:	100%	
		Evaporation Rate:	N/A	
		Specific Gravity:	N/D	

FIRE & EXPLOSION HAZARD	
Flammability: N Means of Extinction: N/A Special Procedures: N/A Explosion Sensitivity to Impact: N/A Chemical Sensitivity to Static Discharge: N/A Flashpoint (C) & Method: None	Conditions: N/A Hazardous Combustion Products: N/A Upper Explosion Limit (% by vol): N/D Lower Explosion Limit (% by vol): N/D Auto-ignition: N/A Rate of Burning: N/A Explosive Power: N/A TDG/WHMIS: Non hazardous/D2B

REACTIVITY DATA	Chemical Stability: Stable
Hazardous Decomposition Product: None	Incompatible Substances: Strong Acids

TOXICOLOGICAL PROPERTIES			
Route of Entry - Skin Contact: Y Route of Entry - Skin Absorption: N Route of Entry - Eye Contact: Y Route of Entry - Inhalation: Y Route of Entry - Ingestion: Y	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> Reproductive Effects Y/N: N Carcinogenicity Y/N: N Mutagenicity Y/N: N Teratogenicity Y/N: N/D TLV: N/D </td> <td style="width: 50%;"> Effects of Overexposure: Acute Effects: Eye contact will cause irritation. Inhalation of dust may be irritating to respiratory tract. Ingestion may cause gastro-intestinal irritation. Chronic Effects: Prolonged skin contact may cause irritation. </td> </tr> </table>	Reproductive Effects Y/N: N Carcinogenicity Y/N: N Mutagenicity Y/N: N Teratogenicity Y/N: N/D TLV: N/D	Effects of Overexposure: Acute Effects: Eye contact will cause irritation. Inhalation of dust may be irritating to respiratory tract. Ingestion may cause gastro-intestinal irritation. Chronic Effects: Prolonged skin contact may cause irritation.
Reproductive Effects Y/N: N Carcinogenicity Y/N: N Mutagenicity Y/N: N Teratogenicity Y/N: N/D TLV: N/D	Effects of Overexposure: Acute Effects: Eye contact will cause irritation. Inhalation of dust may be irritating to respiratory tract. Ingestion may cause gastro-intestinal irritation. Chronic Effects: Prolonged skin contact may cause irritation.		

PREVENTATIVE MEASURES						
<table style="width: 100%;"> <tr> <td style="width: 33%;">Gloves: Recommended</td> <td style="width: 33%;">Footwear: N/A</td> <td style="width: 33%;">Clothing: N/A</td> </tr> <tr> <td>Eyes: Chemical Goggles</td> <td>Respirator: NIOSH respirator</td> <td>Other: N/A</td> </tr> </table>	Gloves: Recommended	Footwear: N/A	Clothing: N/A	Eyes: Chemical Goggles	Respirator: NIOSH respirator	Other: N/A
Gloves: Recommended	Footwear: N/A	Clothing: N/A				
Eyes: Chemical Goggles	Respirator: NIOSH respirator	Other: N/A				

Recommended Engineered Controls: Use with adequate ventilation.	Leak & Spill Procedures: Sweep up spilled material and dispose of. Rinse area to a sanitary sewer.	Waste Disposal Methods: According to federal, provincial and municipal regulations.	Special Handling Procedures: Avoid skin contact, keep out of the reach of children.
--	---	--	--

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 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: July 2, 2008 Prepared By: R. Russell Source Material: Manufacturer's MSDS Emergency Response: 1-613-996-6666 (Transport Emergencies)	Mailing Address: Esteam Manufacturing Ltd. 3750-19th Street NE Calgary, AB T2E 6V2
---	---



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.