

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

Product: CLEAN-ZYME

Manufacturer: ESTEAM

Flammability: 0

Reactivity: 0

Health: 1

Protection:

Use: Powdered Carpet Prespray Concentrate

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

HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% WT
Silicic Acid	6834-92-0	
Sodium Carbonate	497198	
Dipropylene Glycol Methyl Ether	34590-94-8	
Sodium tripoly phosphate	7758-29-4	
Poly-(oxy-1, 2-ethanediy) Alpha-undecyl-omega	34398-01-1	

HAZARD DATA

LD50 0.8 g/kg (oral-rat)
LD50 4090 mg/kg (oral-rat)
LD50 5135 mg/kg (oral-rat)
LD50 3900 mg/kg (oral-rat)
LD50 <2000mg/kg (oral-rat)

EXPOSURE LIMITS (TLV)

2 mg/M3
N/A
100 ppm

PHYSICAL DATA

Physical State: Solid

Odor/ Appearance: White powder, citrus odour

Boiling Point (C): N/A

Freezing Point (C): N/A

Solubility in Water: 100%

Ph (undiluted): 11.5

Evaporation Rate: N/A

Specific Gravity: N/D

Freeze/Thaw

Stable: Doesn't freeze

Percent Volatile (vol): N/A

Vapor Pressure: N/A

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

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

Gloves: Recommended

Eyes: Chemical Goggles

Footwear: N/A

Respirator: NIOSH respirator

Clothing: N/A

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: January 15, 2014

Prepared By: R. Russell

Source Material: Manufacturer's MSDS

Emergency Response: 1-613-996-6666 (Transport Emergencies)

Mailing Address: Esteam Manufacturing Ltd.

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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.