

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

Product: DS	Manufacturer: ESTEAM	Flammability: 0
Chem. Name: N/A	Trade Name: DS	Reactivity: 0
Chem. Family: Mixture	Use: Hard surface cleaner	Health: 2
		Protection:

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

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
Sodium Metasilicate Pentahydrate	6834-92-0	5-10	LD50 0.8 g/kg (oral-rat)	2 mg/m3

PHYSICAL DATA				Freeze/Thaw
Physical State: Liquid	Boiling Point (C): 100	Solubility in Water: Excellent	Evaporation Rate: N/D	Stable: Yes
Odor/ Appearance: Clear	Freezing Point (C): 0	Ph (undiluted): 12.2	Specific Gravity: N/D	Percent Volatile (vol): 90%
				Vapor Pressure: N/D

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

REACTIVITY DATA	Chemical Stability:
Hazardous Decomposition Product: None	Stable
Incompatible Substances: All acids or amphoteric metals such as aluminum or zinc.	

TOXICOLOGICAL PROPERTIES			Effects of Overexposure:
Route of Entry - Skin Contact: Y	Reproductive Effects Y/N: N		Acute Effects: May cause severe skin irritation. May irritate nose and throat if inhaled. May irritate eyes on contact. Chronic Effects: Frequent or prolonged contact may cause defatting dermatitis.
Route of Entry - Skin Absorption: N	Carcinogenicity Y/N: N		
Route of Entry - Eye Contact: Y	Mutagenicity Y/N: N		
Route of Entry - Inhalation: N	Teratogenicity Y/N: N/D		
Route of Entry - Ingestion: Y	TLV: N/D		

PREVENTATIVE MEASURES	Gloves:	Footwear:	Clothing:
	Rubber	N/A	N/A
	Eyes: Safety glasses	Respirator: Mist filter	Other: Eyewash station

Recommended Engineered Controls: Local exhaust ventilation if handling in bulk.	Leak & Spill Procedures: Mop up excess. Flush area with water.	Waste Disposal Methods: According to federal, provincial and municipal regulations.	Special Handling Procedures: Avoid contact with eyes and skin. Store in a cool, dry area away from acids.
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FIRST AID MEASURES
Inhalation: Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.
Ingestion: Do not induce vomiting. Give large amounts of water. Get medical attention.
Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists.
Skin Contact: Immediately flush skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

Prep./Revised Date: January 8, 2010	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.