

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

Product: FIRE WASH	Manufacturer: ESTEAM	Flammability: 0
Chem. Name: Mixture	Trade Name: Fire Wash	Reactivity: 0
Chem. Family: N/A	Use: Washing smoke damaged walls	Health: 2
		Protection:

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

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
Aqua Ammonia	1336-21-5	0.1-2	LD50 350 mg/kg (oral-rat)	25 ppm
2-Butoxyethanol	111-76-2	15-30	LD50 1746 mg/kg (oral-rat)	25 ppm TWA
EDTA	64-02-8	1-5	LD50 3030 mg/kg (oral-rat)	N/A

PHYSICAL DATA				Freeze/Thaw
Physical State: Liquid	Boiling Point (C): 205 F	Solubility in Water: 100%	Evaporation Rate: N/D	Stable: Yes
Odor/ Appearance: Ammonia odor, Orange/Red in color	Freezing Point (C): N/D	Ph (undiluted): 11.8	Specific Gravity: 0.9990	Percent Volatile (vol): 10%
				Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD		Conditions:	TDG/WHMIS:
Flammability: N	Means of Extinction: Carbon dioxide, dry chemical	N/A	Non hazardous / D2B
Special Procedures: N/A	Explosion Sensitivity to Impact: N/A	Hazardous Combustion Products: N/A	
Chemical Sensitivity to Static Discharge: N/A	Flashpoint (C) & Method: N/A	Upper Explosion Limit (% by vol): N/A	
		Lower Explosion Limit (% by vol): N/A	
		Auto-ignition: N/A	
		Rate of Burning: N/A	
		Explosive Power: N/A	

REACTIVITY DATA	Chemical Stability:	Incompatible Substances:
Hazardous Decomposition Product: CO, CO2, oxides of nitrogen, ammonia	Stable	Strong oxidizing materials

TOXICOLOGICAL PROPERTIES		
Route of Entry - Skin Contact: Y Route of Entry - Skin Absorption: Y 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: May cause nausea, narcosis, blood effects and irritation to gastrointestinal tract and respiratory system if inhaled or ingested. Eye contact will cause irritation. Chronic Effects: Prolonged skin contact may lead to defatting dermatitis.

PREVENTATIVE MEASURES
Gloves: Rubber Footwear: Rubber safety boots Clothing: Arpon Eyes: Chemical safety Respirator: NIOSH approved half mask Other: N/A

Recommended Engineered Controls: Use with adequate ventilation.	Leak & Spill Procedures: Flush to a sanitary sewer with water.	Waste Disposal Methods: According to federal, provincial and municipal regulations.	Special Handling Procedures: Store in a cool, dry place away from 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: Drink large amounts of water or milk. Do not induce vomiting. 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 8, 2010 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
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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.