

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

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

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

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

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

TOXICOLOGICAL PROPERTIES			Effects of Overexposure:
<b>Route of Entry - Skin Contact:</b> Y	<b>Reproductive Effects Y/N:</b> N		<b>Acute Effects:</b> May cause nausea, narcosis, blood effects and irritation to gastrointestinal tract and respiratory system if inhaled or ingested. Eye contact will cause irritation. <b>Chronic Effects:</b> Prolonged skin contact may lead to defatting dermatitis.
<b>Route of Entry - Skin Absorption:</b> Y	<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> Y	<b>Teratogenicity Y/N:</b> N/D		
<b>Route of Entry - Ingestion:</b> Y	<b>TLV:</b> N/D		

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

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