

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

Product: FORMULA 888

Manufacturer: ESTEAM

Flammability: 0

Chem. Name: N/A

Trade Name: Liquid emulsifier

Reactivity: 0

Chem. Family:

Use: Carpet extraction concentrate

Health: 2

Protection:

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

HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
2-Butoxyethanol	111-76-2	1-5	LD50 1746 mg/kg (oral-rat)	25 ppm TWA
Sodium Metasilicate Pentahydrate	6834-92-0	1-5	LD50 0.8 g/kg (oral-rat)	2 mg/m ³
Potassium Hydroxide	1310583	1-5	LD50 273 mg/m ³ (oral-rat)	N/A

PHYSICAL DATA

Physical State: Liquid	Boiling Point (C): 100	Solubility in Water: 100 %	Evaporation Rate: 1	Freeze/Thaw Stable: Yes
Odor/ Appearance: Clear, floral odour	Freezing Point (C): 0	Ph (undiluted): 12.0	Specific Gravity: 1.0	Percent Volatile (vol): 80
				Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

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

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: CO

Incompatible Substances: 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:	N
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 burns or irritation to eyes and skin. Harmful if swallowed.

Chronic Effects:

None known

PREVENTATIVE MEASURES

Gloves: Recommended

Footwear: N/A

Clothing: N/A

Eyes: Chemical workers goggles

Respirator: NIOSH approved

Other: N/A

Recommended Engineered Controls:

Use with adequate ventilation. Local exhaust recommended.

Leak & Spill Procedures:

Flush to a sanitary drain.

Waste Disposal Methods:

According to federal, provincial and municipal regulations.

Special Handling Procedures:

Avoid exposure to vapours.

FIRST AID MEASURES

Inhalation: Move person to fresh air. If necessary give artificial respiration or oxygen. Call doctor if in distress.

Ingestion: Drink large quantities of water to dilute and contact a physician or nearest poison control center.

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

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Prepared By: R. Russell

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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.