

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

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

Product: Encap EC	Manufacturer: ESTEAM	Flammability: 0
Chem. Name: N/A	Trade Name: Encap EC	Reactivity: 0
Chem. Family: Mixture	Use: Bonnet Cleaner	Health: 1
		Protection:

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

HAZARDOUS INGREDIENTS	CAS #	% WT	HAZARD DATA	EXPOSURE LIMITS (TLV)
Sodium Carbonate	497198	1%	LD50 4090 mg/kg (oral-rat)	N/D
Ammonium Salt	184179-24-6	1-5%	N/D	N/D

PHYSICAL DATA				Freeze/Thaw
Physical State: Liquid	Boiling Point (C): 100	Solubility in Water: 100 %	Evaporation Rate: N/D	Stable: Yes
Odor/ Appearance: Clear to amber	Freezing Point (C): 0	Ph (undiluted): 9.5	Specific Gravity: N/D	Percent Volatile (vol): N/D
				Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD		Conditions:
Flammability: N	Means of Extinction: Water fog, Alcohol foam, dry chemical	N/A
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
		TDG/WHMIS: Non hazardous / D2B

REACTIVITY DATA	Chemical Stability:	Incompatible Substances:
Hazardous Decomposition Product: Carbon Monoxide, Carbon Dioxide	Stable	None known

TOXICOLOGICAL PROPERTIES			Effects of Overexposure:
Route of Entry - Skin Contact: N	Reproductive Effects Y/N: N		Acute Effects: Irritant to eyes and skin, irritating to respiratory tract. Ingestion may cause damage to the mucous membranes, mouth and digestive system. Chronic Effects: Prolonged and repeated exposure can cause drying, defatting and 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 gloves	N/A	N/A
	Eyes: Safety glasses	Respirator: N/A	Other: N/A

Recommended Engineered Controls:	Leak & Spill Procedures:	Waste Disposal Methods:	Special Handling Procedures:
No special procedures.	Flush to a sanitary drain with water.	According to federal, provincial and municipal regulations.	Store in a cool dry place.

FIRST AID MEASURES
Inhalation: Move person to fresh air. If necessary give artificial respiration or oxygen. Call doctor if in distress.
Ingestion: Contact a physician.
Eye Contact: Immediately flush eyes with running 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	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.