

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

Product: GREEN-LINE Emulsifier	Manufacturer: ESTEAM	Flammability: 0
Chem. Name: N/A	Trade Name: Environmentally Responsible Carpet Cleaner	Reactivity: 0
Chem. Family:	Use: Extraction 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 tetraborate Pentahydrate	12179-04-3	1-5%	LD50 2660 mg/kg (oral rat)	
Alcohol ethoxylate	68439-45-2	1-5%	LD50 5100 mg/kg (oral rat)	

NOTE: All carpet cleaning products introduce substances to the indoor environment, Environmentally Responsible GREEN-LINE Emulsifier has comparatively reduced risk.

PHYSICAL DATA				Freeze/Thaw
Physical State: Liquid	Boiling Point (C): 100	Solubility in Water: 100%	Evaporation Rate: Approx 1	Stable: Yes
Odor/Appearance: Pale yellow, mild odour	Freezing Point (C): 0	Ph (undiluted): 8.1	Specific Gravity: Approx 1.05	Percent Volatile (vol): N/D
				Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD		TDG/WHMIS:
Flammability: N	Conditions: N/A	Non hazardous / D2B
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	
Flashpoint (C) & Method: None	Rate of Burning: N/A Explosive Power: N/A	

REACTIVITY DATA	Chemical Stability:
Hazardous Decomposition Product: Carbon oxides	Stable
Incompatible Substances: Strong reducing agents	

TOXICOLOGICAL PROPERTIES		
Route of Entry - Skin Contact: Y	Reproductive Effects Y/N: N	Effects of Overexposure: Acute Effects: May cause skin and eye irritation. Chronic Effects: None known.
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						
<table style="width: 100%;"> <tr> <td style="width: 33%;">Gloves: Rubber gloves</td> <td style="width: 33%;">Footwear: N/A</td> <td style="width: 33%;">Clothing: N/A</td> </tr> <tr> <td>Eyes: Safety glasses</td> <td>Respirator: N/A</td> <td>Other: N/A</td> </tr> </table>	Gloves: Rubber gloves	Footwear: N/A	Clothing: N/A	Eyes: Safety glasses	Respirator: N/A	Other: N/A
Gloves: Rubber gloves	Footwear: N/A	Clothing: N/A				
Eyes: Safety glasses	Respirator: N/A	Other: N/A				

Recommended Engineered Controls: Use with adequate ventilation.	Leak & Spill Procedures: Flush to a sanitary sewer.	Waste Disposal Methods: According to federal, provincial and municipal regulations.	Special Handling Procedures: Store in a cool, dry place. Keep away from children.
---	---	---	---

FIRST AID MEASURES
Inhalation: Remove to fresh air
Ingestion: Drink large amounts of water to dilute.
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: May 20, 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.