

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

**Product:** ECLEAN GREEN EMULSIFIER**Manufacturer:** ESTEAM**Flammability:** 0**Reactivity:** 0**Health:** 1**Protection:****Use:** Extraction Cleaner

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

**HAZARDOUS INGREDIENTS****CAS #****% WT****HAZARD DATA****EXPOSURE LIMITS (TLV)**Sodium tetraborate Pentahydrate  
Alcohol ethoxyylate12179-04-3  
68439-45-21-5%  
1-5%LD50 2660 mg/kg (oral rat)  
LD50 5100 mg/kg (oral rat)

NOTE: All carpet cleaning products introduce substances to the indoor environment, Environmentally Responsible Eclean Green Emulsifier has comparitively reduced risk.

**PHYSICAL DATA****Physical State:** Liquid**Boiling Point (C):** 100**Solubility in Water:** 100%**Evaporation Rate:** Approx 1**Freeze/Thaw****Stable:** Yes**Percent Volatile (vol):** N/D**Odor/ Appearance:** Pale yellow, mild odour**Freezing Point (C):** 0**Ph (undiluted):** 8.1**Specific Gravity:** Approx 1.05**Vapor Pressure:** N/D**FIRE & EXPLOSION HAZARD****Flammability:** N**Means of Extinction:** N/A**Special Procedures:** N/A**Explosion Sensitivity to Impact:** N/A**Chemical Sensitivity to Static Discharge:** N/A**Flashpoint (C) & Method:** None**Conditions:** N/A**Hazardous Combustion Products:** 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:** Stable**Hazardous Decomposition Product:** Carbon oxides**Incompatible Substances:** Strong reducing agents**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 skin and eye irritation.

**Chronic Effects:**

None known.

**PREVENTATIVE MEASURES****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:** January 15, 2017**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.