

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

**Product:** CRYSTAL CAP CLEAN**Manufacturer:** ESTEAM**Flammability:** 0**Reactivity:** 0**Health:** 1**Protection:****Use:** Bonnet Cleaner

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

**HAZARDOUS INGREDIENTS**Sodium tetraborate Pentahydrate  
Magnesium Lauryl Sulfate**CAS #**12179-04-3  
3097-08-3**% WT**0.1-1%  
5-10%**HAZARD DATA**Oral LD50: 2660 mg/kg (rat)  
N/D**EXPOSURE LIMITS (TLV)**N/D  
None**PHYSICAL DATA****Physical State:** Liquid**Boiling Point (C):** 100**Solubility in Water:** 100 %**Evaporation Rate:** N/D**Freeze/Thaw Stable:** Yes**Percent Volatile (vol):** N/D**Odor/Appearance:** Citrus/slight ammonia/yellowish**Freezing Point (C):** 0**Ph (undiluted):** 8.7**Specific Gravity:** N/D**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:** N/A**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:** May yield sulphur dioxides and oxides of sulfur**Incompatible Substances:** Oxidizing materials and strong acids**TOXICOLOGICAL PROPERTIES****Route of Entry - Skin Contact:** Y  
**Route of Entry - Skin Absorption:** y  
**Route of Entry - Eye Contact:** Y  
**Route of Entry - Inhalation:** Y  
**Route of Entry - Ingestion:** Y**Reproductive Effects Y/N:** N  
**Carcinogenicity Y/N:** N  
**Mutagenicity Y/N:** N  
**Teratogenicity Y/N:** N  
**TLV:** N/D**Effects of Overexposure:****Acute Effects:**

Gastrointestinal irritation (nausea, vomiting, diarrhea) irritation to skin, eyes, nose, throat and respiratory tract.

**Chronic Effects:**

No data available

**PREVENTATIVE MEASURES****Gloves:** Rubber gloves**Footwear:** N/A**Clothing:** N/A**Eyes:** Safety glasses**Respirator:** N/A**Other:** N/A**Recommended Engineered Controls:**

No special procedures.

**Leak & Spill Procedures:**Small spills - flush to a sanitary drain.  
Large spills - contain and soak up with absorbent material.**Waste Disposal Methods:**

According to federal, provincial and municipal regulations.

**Special Handling Procedures:**

Store in a cool, dry, well ventilated area.

**FIRST AID MEASURES****Inhalation:** Move person to fresh air. If necessary give artificial respiration or oxygen. Call doctor if in distress.**Ingestion:** Immediately rinse mouth and throat thoroughly with soap and water. Call 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 15, 2014**Prepared By:** R. Russell**Source Material:** Manufacturer's MSDS**Emergency Response:** 1-613-996-6666 (Transport Emergencies)**Mailing Address:** Esteam Manufacturing Ltd.  
3750-19th Street NE Calgary, AB T2E 6V2

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.