

# SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined

N/A=Not Applicable

**Product:** Hard Power**Manufacturer:** ESTEAM**Flammability:** 0**Chem. Name:** N/A**Trade Name:** Hard Power**Reactivity:** 0**Chem. Family:** Mixture**Use:** Hard surface cleaner**Health:** 2**Protection:**

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

**HAZARDOUS INGREDIENTS****CAS #****% WT****HAZARD DATA****EXPOSURE LIMITS (TLV)**

Sodium Metasilicate Pentahydrate

6834-92-0

5-10

LD50 0.8 g/kg (oral-rat)

2 mg/m3

**PHYSICAL DATA****Physical State:** Liquid**Boiling Point (C):** 100**Solubility in Water:** Excellent**Evaporation Rate:** N/D**Freeze/Thaw****Stable:** Yes**Percent Volatile (vol):** 90%**Odor/ Appearance:** Clear**Freezing Point (C):** 0**Ph (undiluted):** 12.2**Specific Gravity:** N/D**Vapor Pressure:** N/D**FIRE & EXPLOSION HAZARD****Flammability:** N**Means of Extinction:** Water**Special Procedures:** Avoid contact with eyes & skin. SCBA.**Explosion Sensitivity to Impact:** N/A**Chemical Sensitivity to Static Discharge:** N/A**Flashpoint (C) & Method:** N/A**Conditions:** N/A**Hazardous Combustion Products:** None**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:** None**Incompatible Substances:** All acids or amphoteric metals such as aluminum or zinc.**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 severe skin irritation. May irritate nose and throat if inhaled. May irritate eyes on contact.

**Chronic Effects:**

Frequent or prolonged contact may cause defatting dermatitis.

**PREVENTATIVE MEASURES****Gloves:** Rubber**Footwear:** N/A**Clothing:** N/A**Eyes:** Safety glasses**Respirator:** Mist filter**Other:** Eyewash station**Recommended Engineered Controls:**

Local exhaust ventilation if handling in bulk.

**Leak & Spill Procedures:**

Mop up excess. Flush area with water.

**Waste Disposal Methods:**

According to federal, provincial and municipal regulations.

**Special Handling Procedures:**

Avoid contact with eyes and skin. Store in a cool, dry area away from acids.

**FIRST AID MEASURES****Inhalation:** Move person to fresh air. If necessary give artificial respiration or oxygen. Call a doctor if in distress.**Ingestion:** Do not induce vomiting. Give large amounts of water. Get medical attention.**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, 2014**Mailing Address:** Esteam Manufacturing Ltd.**Prepared By:** R. Russell

3750-19th Street NE Calgary, AB T2E 6V2

**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.