

# MATERIAL SAFETY DATA SHEET

Product: **Potash**

---

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Material Identity

Product Name: Potash, Sulfurated, Technical

Product Code:

General or Generic ID: Liver of sulfur, Sulfurated Potash

### Company

Copper Harbor Company, Inc.  
2250 Davis Street  
San Leandro, CA 94577-2204  
510-639-4670

### Emergency Telephone Number:

1-800-451-8346

---

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

| <u>CAS No.</u> | <u>Chemical Identity</u> | <u>Common Name</u> |
|----------------|--------------------------|--------------------|
| 39365-88-3     | N/A                      | Potash Sulfurated  |

---

## 3. HAZARDS IDENTIFICATION

### Potential Health Effects

#### Eye:

Eye irritation upon contact. Symptoms include stinging, tearing, and redness.

#### Skin:

May cause mild skin irritation. Symptoms may include redness, burning of skin, or, occasionally, blistering. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

#### Swallowing:

This product contains a corrosive. It is an irritant. Prolonged contact can be destructive to tissue.

#### Inhalation:

It is possible to breathe this material under certain conditions of handling and use. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

# MATERIAL SAFETY DATA SHEET

Product: **Potash**

---

## **Symptoms of Exposure:**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), central nervous system excitation (giddiness, liveliness, light-headed feeling) followed by central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, pain in the abdomen and lower back, acute kidney failure (sudden slowing or stopping of urine production).

## **Development Information:**

Not available.

## **Cancer Information:**

Based on the available information, this material cannot be classified with regard to carcinogenicity. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

## **Primary Route(s) of Entry:**

Inhalation, skin absorption, skin contact, eye contact.

---

## **4. FIRST AID MEASURES**

### **Inhalation:**

If affected, promptly remove individual to fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

### **Ingestion:**

Allow the victim to rest in a well ventilated area. Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### **Eyes:**

Spread eyelids with fingers and flush eye for minimum of 15 minutes; keep rotating the eyes to ensure complete flushing. Do not use an eye ointment. Seek medical attention if irritation persists or any loss of vision occurs.

# MATERIAL SAFETY DATA SHEET

Product: **Potash**

---

## **Skin:**

Immediately remove contaminated clothing and thoroughly wash exposed area under shower with non-abrasive soap and water for a minimum of 15 minutes. Seek medical attention if irritation from contact persists. Launder clothing before reuse.

## **Note to Physicians:**

Pre-existing disorders of the following organs (or organ systems) may be aggravated by exposure to this material: liver, kidney, and central nervous system.

---

## **5. FIRE FIGHTING MEASURES**

**Flash Point:** Not available

**Explosive Limit:** Not available

**Auto-ignition Temperature:** Not available

**Hazardous Products of Combustion:** Some metallic oxides.

**Extinguishing Media:** Use DRY chemical powder, water spray or fog.

## **SPECIAL FIRE-FIGHTING PROCEDURES:**

For a SMALL fire use DRY chemical spray. For LARGE fire use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Wear a self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

**NFPA CODES:** Health = 3                      Flammability = 1                      Reactivity = 0

---

## **6. PRECAUTIONS FOR SAFE HANDLING AND USE**

### **Steps To Be Taken In Case Material Is Released Or Spilled:**

#### **Small Spill:**

Use appropriate tools to put spilled solid in a convenient waste disposal container.

#### **Large Spill:**

Flammable solid. Corrosive solid.

Stop leak without risk and do not touch spilled material. Do not get water inside container. Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Contain spill area by diking, and salvage product using recommended absorbent material. Prevent product from entering sewer, drains or waterways. Dispose of properly.

# MATERIAL SAFETY DATA SHEET



Page 4 of 6  
Date Prepared: 1/23/07  
Date Printed: 6/15/07  
MSDS No.: 0305-01

Product: **Potash**

---

---

# MATERIAL SAFETY DATA SHEET

Product: **Potash**

---

## 7. PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Use only in a well-ventilated area and only for intended purpose. Follow label directions. Keep out of reach of children, off skin and out of eyes. Keep unused material in original container tightly closed. Do not re-use container for material other than original contents. Keep container dry, away from heat and sources of ignition. Do not breathe dust. Flammable materials should be stored in a separate safety storage cabinet or room. Containers of this material may be hazardous when emptied. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Respiratory Protection:

If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.

### Skin Protection:

Wear resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

### Eye Protection:

Chemical splash goggles in compliance with OSHA regulations are advised.

### Other Protective Clothing Or Equipment:

Provide sufficient mechanical ventilation to maintain exposure below level of overexposure.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Solid. (Amorphous solid powder or lumps.)

**Boiling Point:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not applicable.

**Evaporation Rate:** Not available.

**Solubility in Water:** Complete (in cold water)

---

## 10. STABILITY AND REACTIVITY

# MATERIAL SAFETY DATA SHEET

Product: **Potash**

---

**Incompatibility:** Strong oxidizers, strong acids, strong bases and combustible materials.

**Stability:** Stable

**Hazardous Decomposition:** Hydrogen sulfide, oxides of sulfur.

**Hazardous Polymerization:** Will not occur

---

## 11. TOXICOLOGICAL INFORMATION

No Data

---

## 12. ECOLOGICAL INFORMATION

No Data

---

## 13. DISPOSAL CONSIDERATION

**Waste Disposal Method:**

Dispose of in accordance with all applicable local, state and federal regulations.

---

## 14. DOT SHIPPING NAME& IDENTIFICATION:

CLASS 4.1: Flammable solid

Flammable solid, n.o.s. (Potassium polysulfide) : UN1325 PG:III

---

## 15. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that information is current, applicable, and suitable to their circumstances.