

LIVER OF SULFUR

Supplier Information:

Santa Fe Jewellery Supply
1513 Fifth Street Santa Fe, NM 87505

Material Safety Data

Emergency Phone Number: 314-982-5000

Santa Fe Jewellers Supply provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Santa Fe Jewellers Supply makes no representations, or warranties, either express or implied, of merchantability, fitness for a particular purpose with respect to the information set forth herein or to the product to which the information refers. Accordingly, Santa Fe Jewellers Supply will not be responsible for damages resulting from use of or reliance upon this information.

POTASH SULFURATED

PRODUCT IDENTIFICATION:

Synonyms: Liver of sulfur, sulfurated potassa; hepar sulfuris

Formula CAS No.: 39365-88-3 (Potash)

Molecular Weight: Not applicable.

Chemical Formula: Not applicable.

Hazardous Ingredients:

CAS No. 37488-75-8 Potassium trisulfide ca. 25%

K_2S_3

CAS No. 10294-66-3 Potassium thiosulfate hydrated
ca. 75%

$K_2S_2O_3 \cdot H_2O$

PRECAUTIONARY MEASURES

WARNING! HARMFUL IF SWALLOWED. CAUSES IRRITATION.

Avoid contact with eyes, skin and clothing.

Wash thoroughly after handling.

EMERGENCY/FIRST AID

If swallowed, induce vomiting immediately by giving two glasses of water, or milk if available and sticking finger down throat. Never give anything by mouth to an unconscious person. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. In all cases call a physician.

SEE SECTION 5.

DOT Hazard Class: Not Regulated

Liver of Sulfur

SECTION 1 Physical Data

Appearance: Green-yellow or brown lumps.

Odor: Sulfide.

Solubility: Soluble in water.

Boiling Point: Not applicable.

Melting Point: No information found.

Specific Gravity: No information found.

Vapor Density (Air = 1): No information found.

Vapor Pressure (mm Hg): No information found.

Evaporation Rate: No information found.

SECTION 2 Fire and Explosion Information

Fire:

Not considered to be a fire hazard. Sulfide portion may burn with difficulty in a supporting fire.

Explosion:

Not considered to be an explosion hazard. But contact with acids or steam may produce flammable/explosive/poisonous hydrogen sulfide.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Sealed containers may rupture when heated.

SECTION 3 Reactivity Data

Stability:

Stable under ordinary conditions of use and storage. May air-oxidize. Decomposes on exposure to air forming free sulfur and potassium carbonate.

Hazardous Decomposition Products:

Hydrogen sulfide, oxides of sulfur.

Hazardous Polymerization:

This substance does not polymerize.

Incompatibilities:

Oxidizing agents, halogens and halogenated organic compounds.

SECTION 4 Leak/Spill Disposal Information

Ventilate area or leak or spill. Clean-up personnel may require protective clothing and respiratory protection from sulfur dioxide. Spills: Sweep up and contain/rize for reclamation or disposal. Trace residue may be neutralized with sodium bicarbonate or soda ash. Disposal: Whatever cannot be saved for reclamation may be disposed as hazardous waste in a RCRA approved waste disposal facility. Small amounts of residue may be flushed to sewer with plenty of water.

Ensure compliance with local, state and federal regulations.

SECTION 5 Health Hazard Information

A. EXPOSURE / HEALTH EFFECTS

Inhalation:

Material is not dusty, minimizing inhalation hazard. May be a moderate irritant to the upper respiratory tract. Production of hydrogen sulfide from reaction with acids or high temperature hydrolysis is a significant secondary hazard.

Ingestion:

Mildly corrosive to mucous membrane due to hydrolysis of potassium sulfide but greater danger is formation of hydrogen sulfide in the stomach and its absorption. Nausea, vomiting and diarrhea can occur.

Skin Contact:

Mild irritant especially if hydrolysis occurs on moist skin. Material has some therapeutic effect on skin diseases.

Eye Contact:

Irritant, possibly corrosive or abrasive in acute cases. Conjunctivitis, photophobia, pain, blurred vision are symptoms.

Chronic Exposure:

No adverse health effects expected.

Aggravation of Pre-existing Conditions:

No information found.

B. FIRST AID

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

If swallowed, induce vomiting immediately by giving two glasses of water, or milk if available and sticking finger down throat. Call a physician immediately. Never give anything by mouth to an unconscious person.

Skin Exposure:

Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Exposure:

Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

C. TOXICITY DATA (RTECS, 1982)

No LD50/LC50 information found relating to normal routes of occupational exposure.

SECTION 6 Occupational Control Measures

Airborne Exposure Limits:

None established.

Ventilation System:

In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators: (NIOSH Approved)

For conditions of use where exposure to the vapor is apparent, a half mask chemical cartridge respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 7 Storage and Special Information

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage.

.....
POTSU