



HI-VALLEY CHEMICAL

LABORATORY PRODUCTS

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Sulfurated Potash

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Sulfurated Potash
Synonyms: Liver of Sulfur; hepar sulfuris; Sulfurated Potash; Sulfurated potassa; Potash sulfurated; Thiosulfuric acid, dipotassium salt (H₂SO₃) mixed with potassium sulfide (K₂(Sx)); Thiosulfuric acid, (H₂SO₃), potassium salt (1:2), mixed with potassium sulfide (K₂(Sx))
 A mixture composed of Potassium Polysulfides and Potassium Thiosulfate

SDS Number: R-047
Revision Date: 4/17/2019
CAS Number: 39365-88-3

Supplier Details: High Valley Products, Inc.
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2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 Health, Skin corrosion/irritation, 1
 Health, Serious Eye Damage/Eye Irritation, 1
 Health, Specific target organ toxicity - Single exposure, 3

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H314 - Causes severe skin burns and eye damage
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation

GHS Precautionary Statements:

- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 - Wash exposed skin thoroughly after handling.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P271 - Use only outdoors or in a well-ventilated area.
- P310 - Immediately call a POISON CENTER or doctor/physician.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients		
CAS#	%	Chemical Name
39365-88-3	100%	Potash Sulfurated

4 FIRST AID MEASURES

- Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. Call a physician immediately
- Skin Contact:** Wash with soap and water. Remove contaminated clothing and wash before reuse. Consult a physician.
- Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.
- Ingestion:** Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 FIRE FIGHTING MEASURES

- Extinguishing media
Suitable extinguishing media
This product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.
- Special hazards arising from the substance or mixture
No data available
- Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
- Further information
No data

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures:**
Wear respiratory protection. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation.
- Environmental precautions:**
Do not let product enter drains.
- Methods and materials for containment and cleaning up:**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

- Handling Precautions:** Provide appropriate exhaust ventilation at places where dust is formed. Avoid formation of dust. Avoid contact with eyes, skin, or clothing.
- Storage Requirements:** Hygroscopic. Keep container tightly closed. Store in cool/dry area.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal Protective Equipment:** Eye protection: Face-shield.
Skin and body protection: Chemical resistant protective suit. Gloves. boots.
Respiratory protection: Wear respirator with dust filter..

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke.
Wash hands before breaks and immediately after handling the product.

LD50/oral/rat =

Acute Tox Oral = No information available

LD50/oral/mouse =

Acute Tox Oral = No information available

LD50/dermal/rabbit

Acute Tox Dermal = No information available

LD50/dermal/rat

Acute Tox Dermal = No information available

LC50/inhalation/rat

Vapor = No information available

Gas = No information available

Dust/Mist = No information available

LC50/Inhalation/mouse

Vapor = No information available

Gas = No information available

Dust/Mist = No information available

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Lumps
Physical State:	Solid
Odor:	Rotten-egg like
Odor Threshold:	No data available
Molecular Formula:	No data available
Particle Size:	No data available
Solubility:	soluble
Specific Gravity or Density:	1.65
Softening Point:	No data available
Viscosity:	No data available
Percent Volatile:	No data available
Saturated Vapor Concentration:	No data available
Heat Value:	No data available
Boiling Point:	No data available
Freezing or Melting Point:	89 °C/192.2 °F
Flammability:	Non flammable
Flash Point:	No data available
Partition Coefficient:	No data available
Octanol:	No data available
Vapor Pressure:	No data available
Vapor Density:	8.7
Potentia Hydrogenii:	No data available
Volatile organic compound:	No data available
Evaporation Rate:	No data available
Bulk Density:	No data available
Molecular weight:	No data available
Autoignition Temperature:	No data available
Decompression Temperature:	No data available
Upper Flammability Limit and Lower Flammability Limit:	No data available

Reactivity:	No data available
Chemical Stability:	hygroscopic Stable under recommended storage conditions.
Conditions to Avoid:	Exposure to moist air. Exposure to moisture. Incompatible materials.
Materials to Avoid:	Oxidizing agents. Reducing agents. Acids. Metals. Aluminum. Zinc. Halogens. Halogenated organic compounds. Alcohols. Combustible materials. acid salts.

Principal Routes of Exposure:

Skin. Inhalation. Ingestion.

Acute Toxicity

Component Information

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation and possible burns, especially if hydrolysis occurs on moist skin.

Eye Contact: Causes eye irritation with possible burns. Symptoms may include conjunctivitis, photophobia, pain, blurred vision.

Inhalation Irritating to respiratory system.

Ingestion Causes digestive (gastrointestinal) tract irritation. It may be mildly corrosive due to hydrolysis of potassium sulfide, but greater danger is the formation of hydrogen sulfide in the stomach and its absorption. May cause nausea. May cause diarrhea.

Aspiration hazard No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

LC50/inhalation/mouse = No information available

LD50/oral/rat = No information available

Other LD50 or LC50 information = No information available

LD50/dermal/rat = No information available

Potash Sulfurated (CAS no. 39365-88-3)

[A mixture of Potassium Polysulfides (CAS no. 37488-75-8) and Potassium Thiosulfate (CAS no. 10294-66-3)] -

LD50/dermal/rabbit = No information available

Product code: P1160 Product name: POTASH

SULFURATED, TECHNICAL

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LC50/inhalation/rat = No information available

LD50/oral/mouse = No information available

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

Dispose of in accordance with local regulations.

UN3262, Corrosive solid, basic, inorganic, n.o.s., 8, PGI

Component (CAS#) [%] - CODES

Potash Sulfurated (39365-88-3) [100%]

U.S. Regulations

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Regulatory CODE Descriptions

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Revision Date: 4/17/2019