



# MILLER CHEMICAL & FERTILIZER CORPORATION

MSDS Sheet for St. Louis Crafts' H-57  
Liver of Sulphur

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517300

## MATERIAL SAFETY DATA SHEET

Conforms to U.S. Department of Labor,  
Occupational Safety and Health Administration

IDENTITY (As Used on Label and List)  
**LIME SULFUR SOLUTION** Oxidizer

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Section I:

Manufacturer's Name <b>MILLER CHEMICAL &amp; FERTILIZER CORP.</b>	Emergency Telephone Number <b>CHEMTREC: 1-800-424-9300 717-832-8921</b>
Address (Number, Street, City, State, and ZIP Code) <b>BOX 333, RADIO ROAD HANOVER, PA 17331</b>	Telephone Number for Information <b>717-832-8921</b>
	Date Prepared <b>4/21/89</b>
	Signature of Preparer (optional)

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>CALCIUM POLYSULFIDE</b> CAS No. 1344-81-6	NE	NE	NE	30

No OSHA Exposure Standard or TLV has been established for this material. However, the OSHA Exposure Standard for H<sub>2</sub>S is 20 ppm.

### Section III - Physical/Chemical Characteristics

Boiling Point	ND	Specific Gravity (H <sub>2</sub> O = 1)	1.283
Vapor Pressure (mm Hg)	ND	Melting Point	ND
Vapor Density (AIR = 1)	ND	Evaporation Rate (Butyl Acetate = 1)	ND

Solubility in Water: **Very Soluble**

Appearance and Odor: **Deep Red-Orange Color, "Rotten Egg" Odor**

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	ND	Flammable Limits	LEL	ND	UEL	ND
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Extinguishing Media: **CO<sub>2</sub>, Dry Chemical, Foam, Water Spray**

#### Special Fire Fighting Procedures

Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke mists. Avoid contact with fallout or runoff. Minimize the amount of water used for fire fighting.

#### Unusual Fire and Explosion Hazards

Do not enter enclosed area without self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal.

(Reproduce locally)

NE - None Established

ND - None Determined

OSHA 174, Sept. 1983

**Section V — Reactivity Data:**

Stability	Unstable		Conditions to Avoid <b>Excessive Heat</b>
	Stable	X	

**Incompatibility (Materials to Avoid):** **acts with Acidic Materials** such as vinegar, fertilizers and acids to produce hydrogen sulfide.

**Hazardous Decomposition or Byproducts:** Normal combustion forms carbon dioxide and water vapor, and may produce **oxides of Sulfur**; incomplete combustion or thermal decomposition can produce carbon monoxide, oxyhydrocarbon derivatives and sulfur derivatives including hydrogen sulfide.

Hazardous Polymerization	May Occur		Conditions to Avoid <b>NA</b>
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation?	Yes	Skin?	Yes	Ingestion?	Yes
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**Health Hazards (Acute and Chronic):** **mixed with acids, highly toxic H<sub>2</sub>S gas will be released, H<sub>2</sub>S is irritating to the respiratory tract. Causes skin irritation and may produce systemic toxicity by skin absorption. Corrosive to eyes and causes eye irritation and damage. Moderately toxic if swallowed. About one ounce or more could be fatal to a 150 pound man.**

Carcinogenicity:	NTP?	NE	IARC Monographs?	NE	OSHA Regulated?	No
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Signs and Symptoms of Exposure  
**NA**

Medical Conditions Generally Aggravated by Exposure  
**None Known**

**Emergency and First Aid Procedures:** **or severe hydrogen sulfide poisoning, successful treatment has involved initial inhalation of nitrate pearls for 15 to 30 seconds of each minute until 10 ml of a 3% solution of sodium nitrate can be administered intravenously at 2.5 to 5 ml per minute. EYES: wash eyes immediately with fresh water for at least 15 minutes, get medical attention. SKIN: absorb with inert material such as sand, sweep up and place in a waste disposal container. Treat area with household bleach. Take up bleach with absorbant. Flush area with water.**

**Section VII — Precautions for Safe Handling and Use:** **Wash thoroughly, remove contaminated clothing. Steps to Be Taken in Case Material is Released or Spilled: CLEAN UP spills immediately. INGESTION: Do not give anything but water, see a doctor. INHALATION: Move person to fresh air, see a doctor.**

**Waste Disposal Method:** **Contaminated materials should be placed in disposable containers. Dispose of containers and waste in accordance with Local/State/Federal regulations.**

**Precautions to Be Taken in Handling and Storing:** **Keep from reach of children and animals. Do not store near feed and foodstuffs. Avoid breathing mists and vapors. Avoid contact with skin and eyes. Avoid ingestion.**

**Other Precautions:** **Keep away from heat, open flames and sources of ignition. Wash thoroughly after handling. Read and observe all precautions on the product label.**

**Section VIII — Control Measures**

**Respiratory Protection (Specify Type):** **Use adequate ventilation or a respirator approved for organic vapors.**

Ventilation	Local Exhaust	Preferred	Special	NA
	Mechanical (General)	NA	Other	NA

**Protective Gloves:** **Rubber or Neoprene**      **Eye Protection:** **Safety/Splash Goggles**

**Other Protective Clothing or Equipment:** **Clean, impervious body covering clothing**

**Work Hygiene Practices:** **Do not get on skin or on clothing, minimize skin contact by wearing protective equipment, wash thoroughly after handling.**

- Not Applicable or Not Available