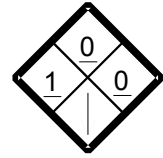


# Lilly Miller Brands

|                     |   |
|---------------------|---|
| Health Hazard       | 2 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection | F |

HMIS RATING

## MATERIAL SAFETY DATA SHEET



NFPA RATING

### SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Lilly Miller Dormant Spray for Disease  
Lily Miller Polysul

**MSDS Number:** LM-021

**Generic Name:** Lime sulfur fungicide

**EPA Reg. Number:** 802-73

**Manufacturer:** Lilly Miller Brands

**Revision Number:** 1

**Address:** 16201 SE 98th Avenue  
Clackamas, OR 97015

**Date Issued:** February 28, 2005

**Manufacturer's Phone Number:** 503-451-4451

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS Number | %  | TLV                                   | PEL                                   |
|---------------------|------------|----|---------------------------------------|---------------------------------------|
| Calcium Polysulfide | 1344-81-6  | 29 | 2 mg/m <sup>3</sup> <sub>(skin)</sub> | 2 mg/m <sup>3</sup> <sub>(skin)</sub> |
| Inert ingredients   | Mixture    | 71 | N/A                                   | N/A                                   |

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

### SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview:** This product can be fatal if swallowed or absorbed through the skin. This product is corrosive to the skin because of its caustic alkaline nature and will cause irreversible eye damage and skin burns.

**HMIS Rating:** Health: 2 Fire: 0 Reactivity: 0 Personal Protection: F

#### Potential Health Effects:

**Routes of Entry:** Inhalation, skin contact, eye contact, ingestion.

**Inhalation:** Overexposure to mists may cause severe upper respiratory irritation. Symptoms are those of hydrogen sulfide.

**Skin Contact:** Product is an alkali and is corrosive to skin. Prolonged or repeated exposure may cause severe skin chemical burns, irritation and redness.

**Eye Contact:** Splashes or mists can cause irreversible eye damage with potential corneal injury.

**Ingestion:** Ingestion can be fatal. Signs and symptoms of toxicity may include headache, nausea, drowsiness, depressed respiration and tremors.

**Medical Conditions Aggravated by Exposure:** May cause upper respiratory irritation, and may aggravate pre-existing respiratory conditions.

**Carcinogenicity:** Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.

#### SECTION IV - FIRST AID MEASURES

**Inhalation:** Move to an area free from risk of further exposure. Treat symptomatically if required. If breathing is difficult or irritation develops, Get Medical Attention Immediately.

**Eye Contact:** Flush with copious quantities of clean, clear, lukewarm water at low pressure water for at least 15 minutes. Lift upper and lower eyelids and flush thoroughly. Seek medical attention.

**Skin Contact:** Wash affected areas thoroughly with soap and warm water immediately after use of this product. Do not attempt to neutralize with chemical agents.

**Ingestion:** Call a physician or poison control center immediately. Drink 1 or 2 glasses of milk, egg white or gelatin or large quantities of water. Do not induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. See note to physician below.

**Note to physician:** Probable mucosal damage may contraindicate gastric lavage. For severe hydrogen sulfide poisoning, successful treatment has involved initial inhalation of amyl nitrite pearls for 15 to 30 seconds of each minute until 10 mls of a 3% solution of sodium nitrite can be administered intravenously at 2.5 to 5mls per minute.

#### SECTION V - FIREFIGHTING MEASURES

**NFPA Rating:** Health: 1 Fire: 0 Reactivity: 0 Other: 0

**Flash point and Method:** This product is non-flammable.

**Extinguishing Method:** Not required.

**Fire or Explosion Hazards:** This product will not burn.

**Special Firefighting Procedures:** Not applicable.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Clean-up Procedures:** Immediately dam or otherwise contain any spills. Use an absorbent material, such as kitty litter, to absorb material. Seal waste in a plastic bag for disposal.

**Personal Precautions:** If misty or vaporous conditions exist, wear a face mask approved for use with dusts and mists such as 3M 8511 N-95 or equivalent.

**Environmental Precautions:** Product is an effective and potent fungicide. Keep major spills from entering lakes and waterways.

#### SECTION VII - HANDLING AND STORAGE

**Storage Temperature:** Not affected by extremes of ambient temperature.

**Shelf Life:** One year.

**Special Sensitivity:** None.

**Handling and Storage Precautions:** Avoid eye contact and avoid breathing vapors if generated. Good housekeeping is recommended to prevent the contamination of clothing and footwear and the mis-application of this product.

**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Respiratory Protection:** If atmospheric conditions exceed exposure guidelines, wear a face mask approved for use with dusts and mists such as 3M 8511 N-95 or equivalent.

**Eye Protection:** Use safety glasses with side shields when mixing and using this product or other situations where there is potential for exposure to mists or vapors which could cause injury to the eyes.

**Skin Protection:** Waterproof gloves and long sleeved garments are a prudent precaution against excessive skin exposures.

**Engineering Controls:** Product is to be used out of doors with good ambient ventilation.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**Physical Form:** Red/orange liquid

**Odor:** Pungent odor of rotten eggs

**Specific Gravity:** 1.1

**Vapor density:** N/D

**pH:** N/D

**Solubility in Water:** Soluble

**% Volatile by Weight (VOC):** Nil

**SECTION X - REACTIVITY**

**Stability :** This is stable material.

**Hazardous Polymerization:** Will not occur.

**Incompatibilities:** Avoid contact with acids. Hydrogen sulfide gas will be generated, dangerous to inhale.

**Decomposition Products:** CO, CO<sub>2</sub> and oxides of sulfur may be formed under fire conditions.

**SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION**

**Ecological Concerns:** This product is a strong, alkaline based fungicide. Keep undiluted product from entering rivers, lakes and streams. This product may be harmful to aquatic fish and plant life.

**SECTION XII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Rinse container thoroughly and securely wrap original container in several layers of newspaper and discard in the trash.

**SECTION XIII - TRANSPORTATION INFORMATION**

**DOT Shipping Name:** Not regulated

**DOT Label:** None

**Technical Shipping Name:** None

**DOT Placard:** None

**DOT Hazard Class:** None

**UN/NA Number:** None

**SECTION XIV - REGULATORY INFORMATION**

**OSHA Status:** This product is regulated under OSHA.

**EPA Registration Number:** 802-73

**TSCA Status:** All applicable chemicals are registered under TSCA.

**CERCLA Reportable Quantity:** None.

**SARA Title III:**

**Section 302, Extremely Hazardous:** N/A

**Section 311/312 Hazard Categories:** N/A.

**Section 313 Toxic Chemicals:** N/A

**RCRA Status:** Not regulated under RCRA

**SECTION XV - APPROVALS**

**Reason for issue:** Revised shelf life.

**Approval Date:** February 28, 2005

**Prepared by:** Compliance Consulting Group, Inc.  
303-795-2060

**Supersedes Date** May 17, 2001

**SECTION XVI - DISCLAIMER**

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.