



MATERIAL SAFETY DATA SHEET



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AllPro Lime Sulfur
EPA REG. NUMBER: 769-558
PRODUCT NUMBER: 152360, 152362

MANUFACTURER: Value Garden Supply
ADDRESS: P.O. Box 585, St. Joseph, MO 64502

MANUFACTURER PHONE: (888) 603-1008
MANUFACTURER FAX PHONE: (952) 884-6149
EMERGENCY PHONE: (800) 858-7378

PRODUCT USE: Fungicide, Insecticide and Miticide

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS*:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TWA</u>	<u>ACGIH STEL</u>
Calcium Polysulfide	1344-81-6	29.0	NE	NE	NE	NE

* All ingredients in quantities > 1.0 % (0.1 % for carcinogens or teratogens) that are potentially hazardous per OSHA definitions

N/A = not applicable NE = not established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Potential health effects.

POTENTIAL HEALTH EFFECTS: Fatal if swallowed, inhaled or absorbed through skin. Causes irreversible eye damage. Personnel responding to a spill of this material should wear appropriate personal protective equipment.

CARCINOGENICITY: IARC, NTP and OSHA do not list Sureguard Lime Sulphur as a carcinogen.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. Get medical attention.

SKIN: Wash with plenty of soap and water. Get medical attention.

INGESTION: If swallowed, promptly drink large amounts of milk, egg whites or gelatin solution, or if these are not available, water. Never give liquids to an unconscious person. Get medical attention. **DO NOT INDUCE VOMITING**

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Probable oral lethal doses (human) 50-500 mg/kg. May yield hydrogen sulfide by decomposition before or after ingestion. 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 5 mls per minute. The nitrite-induced methemoglobin is thought to bind the toxic hydrosulfide ion. Probable mucosal damage may contraindicate gastric lavage.

SECTION 5: FIRE-FIGHTING MEASURES

HAZARDOUS PRODUCTS OF COMBUSTION: Hydrogen sulfide, carbon disulfide, and SO₂



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FLASH POINT: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: CO2, dry chemical, foam, or water spray

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

NFPA HAZARD CLASSIFICATION:	<u>HEALTH</u> 2	<u>FIRE</u> 1	<u>REACTIVITY</u> 0	<u>SPECIFIC</u> N/A
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NFPA HAZARD RATING CODES:	<u>INSIGNIFICANT</u> 0	<u>SLIGHT</u> 1	<u>MODERATE</u> 2	<u>HIGH</u> 3	<u>EXTREME</u> 4
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SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Cover spilled liquid with absorbent, mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with water using a stiff broom. Pick up liquid with more absorbent and place in a disposable container. Do not use acidic cleaning materials.

CONTAINMENT: N/A

REGULATORY REQUIREMENTS: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store away from heat, out of reach of children. Do not contaminate water, food or feed by storage or disposal. Do not reuse container. Avoid excessive temperatures and direct sunlight. Store below 110°F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: In typical applications no engineering controls should be needed.

VENTILATION: NE

RESPIRATORY PROTECTION: If industrial hygiene surveys show that occupational exposure limits may be exceeded, use NIOSH approved respirator with dust/mist cartridges.

EYE PROTECTION: Avoid splashing of material directly into eyes.

SKIN PROTECTION: Protective gloves are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Deep red/orange liquid

VAPOR PRESSURE (mmHg): N/A

ODOR: Pungent odor of rotten eggs

VAPOR DENSITY (AIR =): N/A

PHYSICAL STATE: Stable Liquid

SPECIFIC GRAVITY: 1.273 20 C

BOILING POINT: N/A

DENSITY: N/A

MELTING POINT: N/A

PARTICAL SIZE: N/A

FREEZING POINT: N/A

AUTO IGNITION: N/A

WATER SOLUBILITY: N/A

OTHER SOLUBILITIES: N/A



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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY (MATERIALS & CONDITIONS TO AVOID): Strong acids, heavy metals, and excessive heat

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: Rat, Oral LD₅₀ = 820 mg/kg

ACUTE DERMAL EFFECTS: Rabbit, Dermal, LD₅₀ = 2000 mg/kg

CARCINOGENICITY: Non listed per OSHA, NTP or IARC

EYE EFFECTS: Corneal opacity

NOTE TO CONSUMER: Hydrogen Sulfide: conjunctivitis, photophobia, lacrimation,. Rhinitis with anosmia, tracheobronchitis, pulmonary edema with dyspnea, sometimes late bronchopneumonia. Skin: direct contact (as solution) may produce erythema.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: May be hazardous to aquatic invertebrates. Do not apply directly to water; do not contaminate water by cleaning of equipment or disposal of washwaters.

ENVIRONMENTAL FATE: NE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material (as packaged) is not considered a hazardous waste. Be aware that the waste owner has responsibility for final disposal. Regulations may also apply to empty containers, liners or rinsate. Laws may change or be reinterpreted; state and local regulations may be different from federal regulations. This information applies to materials as manufactured; contamination or processing may change waste characteristics and requirements.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION*

DOT PROPER SHIPPING NAME: Corrosive liquid, toxic, n.o.s. (calcium sulfide)

DOT HAZARD CLASS: Class 8: Corrosives

A material, liquid or solid, that causes visible destruction or irreversible alteration to human skin or a liquid that has a severe corrosion rate on steel or aluminum.

ID NUMBER: (UN/NA) 2922

PACKING GROUP: II

LABEL REQUIRED: Corrosive, toxic

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: N/A



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EPA REGULATIONS: N/A

SARA III HAZARD CATEGORIES: N/A

OSHA REGULATIONS: N/A

INDIVIDUAL STATES: States such as Pennsylvania, New Jersey, California, Vermont, Massachusetts and Rhode Island may all have components of this product listed; consult specific state regulatory requirements for additional information.

SECTION 16: OTHER INFORMATION

This information is provided in good faith, but without express or implied warranty. For additional information, refer to the American Conference of Governmental Industrial Hygienists (ACGIH) documentation of TLV's (Threshold Limit Values) for individual components and the DOT Emergency Response Guidebook.