

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Bonide Sulfur Plant Fungicide

ID. NO. 462

Date: October 21, 2009

Section I - Identification

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300
(315) 736-8231

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH	TLV	Other Limits	% (Optional)
Sulfur CAS#7704-34-9					90.0

Section III - First Aid

EYES: Wash with plenty of water. Get medical attention if irritation occurs and persists.

SKIN: Wash thoroughly with plenty of soap and water. Launder soiled clothes separately.

INGESTION: Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. May cause irritation of the GI tract. If any discomfort persists, obtain medical attention. DO NOT eat sulfur.

INHALATION: Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention. Breathing of dust may aggravate asthma and other pulmonary diseases. Individuals with known allergies to sulfide drugs may also have allergic reaction to elemental sulfur dust.

NOTES TO MEDICAL DOCTOR: No specific antidote is available. Treat patient symptomatically.

Section IV - Fire/Explosion Hazard Data

FLASH POINT: 405° F

FLAMMABILITY: Will burn upon exposure to flame. Primary Hazard: Sulfur dust suspended in air ignites easily and can cause an explosion in confined. May be ignited by friction static electricity, heat, sparks or flames. Toxic gases will form upon combustion. Bulk/solid forms burn only at a moderate rate, whereas dust burns with explosive violence.

FIRE FIGHTING: Wear full faced, self-contained breathing apparatus and full protective clothing. Use a water fog to extinguish fire. Avoid use of solid streams of water which could create sulfur dust clouds and cause an explosion or move burning sulfur to adjacent areas..

UNUSUAL FIRE/EXPLOSION HAZARD: May evolve sulfur dioxide and hydrogen sulfide upon burning

Section V - Spill or Leak Procedures

PRECAUTIONS: Avoid contact with spilled material. Extinguish all flames in vicinity.

DISPOSAL: Sweep-up (or other effective method). Avoid creating a dust cloud. Pesticide that cannot be used according to label directions must be disposed of in accordance with State and Local procedures.

CONTAINER DISPOSAL: Wrap securely in newspaper and place in trash.

Section VI - Storage and Handling

GENERAL PROCEDURES: Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in area where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

STORAGE: Store in a cool, dry place away from heat or flame. Keep out of reach of children.

HANDLING PRECAUTIONS: Avoid contact with eyes, skin, or clothing. Avoid breathing dust. Practice good hygiene Wash thoroughly after handling. . Handle open container in a manner to prevent unintentional spillage. Do not allow material to enter streams, sewers or other waterways.

EYES: Safety glasses or face shield. An emergency eye wash must be readily accessible to the work area.

HAND & BODY PROTECTION: Rubber or other impervious gloves. Wear long- sleeved shirt and long pants and shoes with socks.

RESPIRATORY PROTECTION: Stay up wind of dust when applying. Use only in well ventilated area. Use NIOSH approved dust mask.

Section VII - Physical and Chemical Properties

APPEARANCE: Odorless, tasteless, pale yellow powder
SOLUBILITY IN WATER: Insoluble
FLASH POINT: 405° F

ODOR: Faint smell of rotten eggs
BULK DENSITY: Lumps 75 – 115lbs/ft³
pH: NA

Section VIII – Stability & Reactivity Data

CONDITIONS TO AVOID: Excessive heat and fire.

HAZARDOUS DECOMPOSITION PRODUCTS: In case of fire sulfur dioxide and hydrogen sulfide gases evolve.

STABILITY: Stable but may decompose if heated.

POLYMERIZATION: Will not occur

INCOMPATIBILITY: None known

Section IX - Transportation

Solid sulfur is not subject to the requirements of Title 49 CFR hazardous Materials shipping Guidelines or the IMDG Code if transported in a non-bulk packaging (less than 400kg per package) or is formed to a specific shape.

D.O.T. DOMESTIC: BULK PACKAGING- POWDER SULFUR ONLY

D.O.T. SHIPPING NAME: Sulfur CLASS: 9 (Misc. Hazardous materials)

D.O.T. ID #: NA1350 PACKAGING GROUP: I

PLACARD: None Required

Section X - Regulatory Information

TSCA: Listed on the TSCA Inventory at CAS # 7704-34-9

RCRA: Not identified as a Hazardous waste.

CERCLA RQ: Not subject to any special reporting.

SARA Title III: Not listed.

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.