

DUSTING SULFUR

Fungicide-Insecticide

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER

PLATTE CHEMICAL CO.

150 South Main Street
Fremont, NE 68025-5697

EMERGENCY TELEPHONE NO.: (970) 356-4400
(8:00 A.M. - 5:00 P.M. MT) or CHEMTREC (800) 424-9300 (24 Hours)

TRADE NAME AND SYNONYMS: DUSTING SULFUR Fungicide-Insecticide

CHEMICAL NAME AND SYNONYMS: Sulfur

CHEMICAL FAMILY: Elemental Sulfur

EPA REGISTRATION NUMBER: 34704-735

SECTION II - PRODUCT COMPONENTS

COMPONENT:	%	THRESHOLD LIMIT VALUE (Units):
Sulfur (CAS: 7704-34-9)	98	Not Applicable
Inert Ingredients (Non-Hazardous)	2	

SECTION III - PHYSICAL INFORMATION

APPEARANCE AND ODOR: Pale yellow powder, mild sulfur odor (Munsell Color System 2.5 GY 9/4)

BOILING POINT (°C): Not Available

BULK DENSITY: At 20°C, .80 g/ml

EVAPORATION RATE (BUTYL ACETATE = 1): Not Applicable

PERCENT VOLATILE (BY VOLUME): Not Available

pH: Not Available

SOLUBILITY IN WATER: Insoluble in water

SPECIFIC GRAVITY (WATER = 1): Not Applicable

VAPOR DENSITY (AIR = 1): Not Applicable

VAPOR PRESSURE (MM OF MERCURY): Not Applicable

SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (SPECIFY METHOD - °C): Not Available

FLAMMABLE LIMITS (PERCENT BY VOLUME): Not Available

FIRE EXTINGUISHING MEDIA: Dry Chemical, CO₂, Foam, Water spray or fog.

SPECIAL FIRE FIGHTING PROCEDURES: Smoke and fumes from fire may contain hazardous components. Use self-contained breathing apparatus and full protective clothing. Fight fire from upwind side. Avoid run-off. Keep non-essential personnel away from immediate fire area, and out of any fall-out or run-off areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies. Dusts may form explosive mixtures with air; avoid use of heavy water streams.

NFPA HAZARD RATING:

0 Least	1 Health
1 Slight	
2 Moderate	1 Flammability
3 High	
4 Severe	0 Reactivity

SECTION V - REACTIVITY INFORMATION

STABILITY: Stable

CONDITIONS TO AVOID: Extreme heat

INCOMPATIBILITY (Avoid contact with): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur and H₂S.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

SECTION VI - HEALTH INFORMATION

TOXICOLOGICAL TEST DATA for Sulfur:

Acute Oral LD₅₀ Rat: > 5587 mg/kg

Acute Dermal LD₅₀ Rabbit: > 2000 mg/kg

Acute Inhalation LC₅₀ Rat: 5.2 mg/L

Eye Irritation, Rabbit: Moderate Irritant

Skin Irritation, Rabbit: Not an irritant; not a skin sensitizer

EFFECTS OF OVEREXPOSURE:

Routes of Entry: Ingestion, inhalation, eyes and skin contact.

Most likely Route of Entry: Dermal, Inhalation. Product is considered to be of low to moderate toxicity. May be harmful if swallowed or inhaled. May cause irritation of eyes, nasal passages, throat and skin. Prolonged or repeated exposure may increase irritation, particularly to eyes and mucous membranes. Overexposure can lead to nausea, diarrhea, gastrointestinal distress, headaches, weakness, and in severe cases possible liver and kidney damage.

EMERGENCY AND FIRST AID PROCEDURES:

Call a physician immediately in all cases of suspected poisoning.

Ingestion: Drink 1 or 2 glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. Call physician immediately.

Eyes: Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

Skin: Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse.

Inhalation: Remove to fresh air. If irritation persists, get medical attention.

Medical Conditions Aggravated by Exposure: None known. Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material.

Potential Carcinogen Status: Not known. None of the components in this product is listed by IARC, NTP or OSHA as a carcinogen.

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Contain spill; vacuum, scoop or sweep up and place in container for disposal.

Waste Disposal Method: Material which cannot be used at the site should be disposed of in an approved waste disposal facility, following all applicable Federal, State and Local regulations. Completely empty container into application equipment. Then dispose of empty containers in an approved sanitary landfill. If allowed by State and Local authorities, empty containers may be burned. If burned, stay out of smoke. Do not contaminate water supplies by disposal of wastes or containers.

SECTION VIII - SPECIAL PROTECTION INFORMATION

PROTECTIVE CLOTHING:

Eye Protection (Type): Chemical goggles or shielded safety glasses recommended.

Gloves (Type): Impervious gloves recommended.

Respiratory Protection: If dusts may exceed acceptable levels, or if irritation occurs, wear MSHA/NIOSH-approved mask or respirator for protection against dusts.

Other Clothing: Wear clothing consistent with good practices for handling and applying pesticides.

VENTILATION:

Local Exhaust: Not normally required.

Mechanical (General): Use if ventilation is not adequate.

Special: Not normally required.

Other: Work in a well ventilated area.

EPA HANDLER REQUIREMENTS

Worker Protection Standard

40 CFR 170

Note, the following PPE requirements address handler/applicator requirements under FIFRA and may differ from what is felt necessary to address a clean up, needs during formulation/manufacturing or other times of involvement with the product.

Personal Protective Equipment:

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

SECTION IX - SPECIAL PRECAUTIONS

Handling and Storage: Do not contaminate water, food, or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture. Storage: Store in safe manner. Store in original container only. Store in cool, dry place. Never allow this product to become wet during storage. Reduce stacking height where local conditions, such as humidity or pallet overhand, can affect package strength. Personnel should use clothing and equipment consistent with good pesticide handling.

Other Precautions: Keep away from fire or sparks. Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

SECTION X - REGULATORY INFORMATION

SARA TITLE III HAZARD CATEGORY:

IMMEDIATE Y

DELAYED N

FIRE N

REACTIVE N

SUDDEN RELEASE OF PRESSURE N

SUBSTANCES REGULATED UNDER SARA, TITLE III, SECT. 313:

None

DATE OF ISSUE: 02/28/94

SUPERSEDES: 03/18/93

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of the Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional, or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee, expressed or implied, is made by Platte Chemical Co. as to the results to be obtained based upon your use of the information, nor does Platte Chemical Co. assume any liability arising out of your use of the information.