

# MATERIAL SAFETY DATA SHEET

## Dusting Sulfur

### I. NAME

PRODUCT/TRADE NAME: DUSTING SULFUR  
EPA REGISTRATION #: 2935-48  
CHEMICAL NAME/COMMON NAME:  
Sulfur/Sulfur

### II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Sulfur (98%)	7704-34-9	NE	NE

### III. PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): NA  
MELTING POINT: 246 Deg. F  
VAPOR DENSITY (AIR = 1): NA  
% VOLATILES BY VOL.: NA  
ODOR: Sulfur  
APPEARANCE: Yellow Powder  
FLASH POINT/METHOD: 374 Deg. F (Dust)  
VAPOR PRESSURE (mmHg): NA  
SOLUBILITY IN H<sub>2</sub>O: Insoluble

### IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: ☒ Water Fog ☐ Foam ☐ Alcohol Foam  
☐ CO<sub>2</sub> ☐ Dry Chemical ☐ Other

#### FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full personal protective equipment. Avoid solid streams of water which may stir dust clouds or spread fire. Do not breathe smoke or spray mist. Dust may form explosive mixture with air. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

### V. CARCINOGEN STATUS

☐ OSHA ☐ NTP ☐ IARC ☒ No Listing Type

### VI. REACTIVITY

☒ Stable HAZARDOUS POLYMERIZATION  
☐ Unstable ☐ May Occur ☒ Will Not Occur

AVOID: Bases, Oxidizers, Powdered carbon

HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, SO<sub>x</sub>, H<sub>2</sub>S

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Do not use flares in area. Wear appropriate eye protection. Control dust with water fog. Sweep or vacuum into disposal container.

DECONTAMINATION: Treat area with water until clean.

ENVIRONMENTAL HAZARDS: None

DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

### VIII. HEALTH PRECAUTION DATA

INGESTION: Do not ingest. Wash before eating, drinking or smoking. Do not store near food or feed.

INHALATION: Nuisance dust PEL/TLV 15 mg/m<sup>3</sup> total dust. 5 mg/m<sup>3</sup> respirable dust. Wear approved respiratory protection for exposures above the PEL/TLV.

SKIN ABSORPTION: May cause skin irritation. Remove from skin with soap and water.

EYE EXPOSURE: Sulfur may cause eye irritation. Do not rub eyes if exposed. If exposed, flush eyes a minimum of 15 minutes with water. Wear proper eye protection to reduce exposure.

EFFECTS OF OVEREXPOSURE: May cause skin or eye irritation. If ingested, it may cause vomiting and diarrhea. Chronic exposure may cause skin and eye irritation. Preexisting conditions involving the above symptoms can be aggravated by exposure.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water. For eye exposure, irrigate eyes a minimum of 15 minutes with water. For skin exposure, remove contaminated clothing and wash with soap and

water. For inhalation, remove victim to fresh air, and administer CPR if necessary.

### IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use only NIOSH/MSHA - approved respiratory protection for nuisance particulates up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposures above 10 times the PEL/TLV.

PERSONAL PROTECTIVE EQUIPMENT: Chemical resistant gloves, long-sleeved coveralls, safety goggles or glasses with side shields and brow protection.

VENTILATION: Local ventilation recommended for manufacture and formulation.

### X. SPECIAL PRECAUTIONS

Keep out of the reach of children.

Read and follow all label instructions.

Sulfur dust can be explosive. Do not allow dust to build up. Keep clear of ignition sources.

### XI. REGULATORY DATA

SARA HAZARD CLASS: ☒ Acute ☐ Chronic ☐ Flammable  
☐ Pressure ☐ Reactive ☐ None

SARA 313: ☐ Yes ☒ No Chemical:

SARA 302: ☐ Yes ☒ No Chemical:

TPQ:

CERCLA: ☐ Yes ☒ No Chemical:

RQ:

RCRA: ☐ Yes ☒ No

#### NFPA HAZARD RATING:

Health: [1]

Fire: [2]

Reactivity: [0]

Special: [ ]

#### HMIS CODES:

Health: [1]

Fire: [2]

Reactivity: [0]

#### NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

#### HMIS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

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\*Technical Material NE - Not Established NA - Not Applicable

**24 Hour Emergency Phone Number**  
**CHEMTREC: (800) 424-9300**

