

MATERIAL SAFETY DATA SHEET

Sulfur DF

I. NAME

PRODUCT/TRADE NAME: SULFUR DF
EPA REGISTRATION #: 51036-352-2935
CHEMICAL NAME/COMMON NAME:
Sulfur/Sulfur

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Sulfur	7704-34-9	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): NA
MELTING POINT: 246° F
VAPOR DENSITY (AIR = 1): NA
% VOLATILES BY VOL.: NA
ODOR: Sulfur
APPEARANCE: Gray Granule
FLASH POINT/METHOD: 364° F (Dust)
VAPOR PRESSURE (mmHg): NA
SOLUBILITY IN H₂O: Insoluble

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: ☒ Water Fog ☐ Foam ☐ Alcohol Foam
☐ CO₂ ☐ Dry Chemical ☐ Other

FIRE FIGHTING PRECAUTIONS & HAZARDS:

Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid solid streams of water which may stir dust clouds or spread fire. Dust may form explosive mixture with air. 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: Oxidizers, Powdered carbon
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, SO_x, H₂S

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. Vacuum or sweep material into dry container.

DECONTAMINATION: Treat area with water until clean.

ENVIRONMENTAL HAZARDS: None

DISPOSAL: Use only DOT-approved disposal containers and dispose of in an EPA Class I disposal site.

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/m³ total dust. 5 mg/m³ 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. Flush with water for a minimum of 15 minutes. Wear appropriate 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. If inhaled, remove 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 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

