

T-247 P. 03/09 F-829

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FROM-NASCO

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IMPORTANT MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on file.
 Product No. **KM 763 M**
 Product Name **SULFUR**

Health Hazard	1
Flammability	1
Reactivity	0

SECTION I NAME	
Chemical Synonyms	Sulfur
Formula	S
C.A.S. No.	7704-34-9

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES			
Principal Hazardous Component(s)	%	PEL	TLV Units
N/A			

In chemical subject to the reporting requirements of SARA Title III.

SECTION III PHYSICAL DATA			
Melting Point (°F)	119°C	Specific Gravity (H ₂ O=1)	2.07 @ 25°C
Boiling Point (°F)	444.6°C	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	1 @ 183.8°C	Evaporation Rate (=1)	<1
Vapor Density (Air=1)	N/A		
Solubility in Water	Insoluble		
Appearance & Odor	Fine, pale yellow powder or lumps; low odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method Used)	250°C (CC)	Flammable Limits in Air % by Volume	Lower Upper
			N/A N/A
Extinguisher Media	CO ₂ , foam, dry chemical, water.		

Special Firefighting Procedures
 Wear self-contained breathing apparatus. Combustion will produce highly toxic fumes of sulfur oxides.

Unusual Fire and Explosion Hazards
 Airborne dusts of sulfur in the presence of an ignition source constitute an explosion hazard.

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D.O.T. Sulfur, 9, NA1350, PGIII

Not established. Nuisance dust: 5 mg/m³ 10138

Effects of Overexposure
Skin and Eye Contact: Produces mild/moderate irritation. **Ingestion and Inhalation:** Causes nausea and diarrhea which can progress to pulmonary edema and congestion. Chronic, low-level respiratory exposures can produce symptoms of hypotension, persistent nausea, loss of appetite and weight, and anosmia, thiopneumococcosis has been noted.

Emergency and First Aid Procedures
Eyes: Hold eyelids apart and flush eyes with large amounts of running water for 15 minutes. Seek medical attention if irritation occurs. **Skin:** Flush all affected areas with plenty of water for several min. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation occurs. **Inhalation:** Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult. **Ingestion:** Give a saturated sodium bicarbonate solution. Do not induce vomiting. If vomiting does not give fluids again. Have medical personnel determine if vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsion person.

SECTION VI REACTIVITY DATA	
Stability Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Conditions to Avoid Heat and open flames
Incompatibility (Materials to Avoid)	Strong alkalis, strong oxidizers, halogens, ammonia, ammonium nitrate hydrocarbons.
Hazardous Decomposition Products	Toxic sulfoxide, sulfide and sulfur containing gases.
Hazardous Polymerization May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid N/A

SECTION VII SPILL OR LEAK PROCEDURES
Steps to be Taken in Case Material is Released or Spilled
 Vacuum up spills with explosion-proof equipment or sweep up using oil treated dust inhibitors. Place in an appropriate chemical container.

Waste Disposal Method
 Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of container size quantities.
 Incinerate or dispose of in a landfill in accordance with all applicable regulation.

SECTION VIII SPECIAL PROTECTION INFORMATION			
Respiratory Protection (Specify type)	NIOSH-approved dust mask		
Ventilation	Engineering Controls <input checked="" type="checkbox"/> Preferred <input type="checkbox"/>	Administrative Controls <input type="checkbox"/>	Explosion Proof <input type="checkbox"/>
Protective Gloves	Rubber gloves	Eye Protection	Safety goggles
Other Protective Equipment	Lab coat. Safety shower and eye bath.		

SECTION IX SPECIAL PRECAUTIONS
Precautions to be Taken in Handling & Storage
 Keep container tightly closed when not in use.
 Avoid generation of dusts. Avoid static electricity. Keep away from heat, sparks and open flame.

Other Precautions
 Read label on container before using. Do not wear contact lenses when working with chemicals.
 N/A

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