

Material Safety Data Sheet

Effective Date: 23-JAN-2000
Product: LIQUID SULFUR SIX

I. IDENTIFICATION

Chemical Name: INORGANIC SULFUR
Chemical Family: ELEMENT
Formula: S
Synonyms: 6 LB. SULFUR, SULFUR FLOWABLE
CAS Number: 7704-34-9
EPA Number: 5905-437

II. PHYSICAL DATA

Boiling Point: >90 DEGREES C.
Freezing Point: <35 DEGREES F.
Spec Gravity: 1.400 GMS/CC
Vapor Pressure: NOT DETERMINED
Vapor Density: NOT DETERMINED
Solubility: DISPERSIBLE
Volatiles: <0.5%
Evaporation: NOT DETERMINED
Melting Point: 234 DEGREES F.
Appearance: YELLOW LIQUID, SULPHUROUS ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
SULFUR AS S		52.00	8 PPM (EYE)	SKIN & EYE IRRITANT
INERT INGREDIENTS		48.00	NOT ESTABLISHED	NONHAZARDOUS SHED

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 DEGREES F.
Autoignition Temp: >450 DEGREES F.
Flammable Limit: NOT APPLICABLE
Extinguishing Media: USE WATER FOG, STEAM, OR CARBON DIOXIDE.
EXTINGUISH SMALL FIRES BY GENTLY COVERING WITH SAND OR FINE EARTH TO EXCLUDE OXYGEN.
Special Fire Fight Proc: USE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL FIRE FIGHTING CLOTHING. AVOID STRAIGHT STREAMS OF WATER WHICH WILL SCATTER MOLTEN SULPHUR.
Fire and Expl Hazard: BURNING SULPHUR PRODUCES TOXIC SULPHUR DIOXIDE

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GAS.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: ACUTE ORAL LD50 (RATS) = >5000 MG/KG. MAY CAUSE GASTROINTESTINAL TRACT IRRITATION. IF LARGE AMOUNTS ARE SWALLOWED, IMMEDIATELY CALL A PHYSICIAN.
Skin Absorption: ACUTE DERMAL LD50 (RABBITS) = >2000 MG/KG.
Inhalation: THE ACUTE INHALATION LC50 (RATS) = >2 MG/L/1 HR. INHALATION OF VAPOR MAY CAUSE RESPIRATORY TRACT IRRITATION.
Skin contact: MAY IRRITATE SKIN, PRODUCT IS A MILD SKIN IRRITANT. PRODUCT IS NOT A SKIN SENSITIZER.
Eye Contact: MAY IRRITATE EYES, PRODUCT IS A MILD EYE IRRITANT.
Chronic Effects: CONTACT MAY CAUSE SKIN AND EYE IRRITATION. THERE IS NO KNOWN MEDICAL CONDITIONS THAT ARE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
Other Hazard: NONE CURRENTLY KNOWN.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: GIVE ONE OR TWO GLASSES OF WATER AND INDUCE VOMITING. OBTAIN MEDICAL ATTENTION.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN.
Inhalation: MOVE VICTIM TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, OBTAIN MEDICAL ATTENTION IMMEDIATELY.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT A PHYSICIAN.
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.

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Incompatibility material: HAZARDOUS IN CONTACT WITH OXIDIZING MATERIALS,
FORMING EXPLOSIVE MIXTURES. CORROSIVE TO STEEL.
Hazardous Combustion: SULPHUR DIOXIDE UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: ISOLATE SPILL AREA FROM HEAT AND FLAMES. ABSORB
SPILL WITH CLAY OR SAND. TRANSFER TO A CHEMICAL
WASTE CONTAINER FOR PROPER DISPOSAL. FLUSH
SPILL AREA WITH WATER, ABSORB AND PLACE IN SAME
CONTAINERS WITH OTHER MATERIAL.
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO
FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE
RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: USE NIOSH APPROVED RESPIRATOR FOR NUISANCE DUST
AND MIST IF EXPOSURE IS ABOVE 10 MG/M3.
Ventilation: USE GOOD GENERAL VENTILATION. AVOID SUSPENDING
MIST IN AIR IN CONFINED SPACES.
Gloves: IMPERVIOUS
Eyes: CHEMICAL WORKERS GOGGLES.
Other: EYE WASH STATION, IMPERVIOUS APRON AND
FOOTWEAR.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE
WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED
OR CONSUMED BY HUMANS OR ANIMALS. DO NOT
CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR
PONDS. STORE AWAY FROM SOURCES OF DIRECT HEAT
IN A DRY AREA. DO NOT STORE IN STEEL
CONTAINERS. KEEP CONTAINERS TIGHTLY CLOSED WHEN
NOT IN USE.
Other precaution: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL
SUBJECT TO THE REPORTING REQUIREMENTS OF
SECTION 313 OF TITLE III OF THE SUPERFUND
AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND
40 CFR PART 372.

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X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA (AIR), OR IMDG
(WATER).

Hazard Class: NONE
Identification No: NONE
Labels Required: NONE REQUIRED
Placarding: NONE REQUIRED
Freight Class: FUNGICIDES, N.O.I., OTHER THAN POISON(NMFC ITEM
102120, CLASS 60)

Chemical Name Equivalent R.Q.

NOT APPLICABLE

NOT APPLICABLE

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 1 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N
Sudden Release of pressure: N Fire: N
Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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