

Material Safety Data Sheet

Effective Date: 18-JAN-2000  
Product: TRACITE LIQUID SULFUR 6

I. IDENTIFICATION

Chemical Name: INORGANIC SULFUR  
Chemical Family: ELEMENT  
Formula: S  
Synonyms: 6 LB. SULFUR, SULFUR FLOWABLE  
CAS Number: 7704-34-9  
EPA Number: NONE REQUIRED

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.  
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V. HEALTH HAZARD

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Carcinogen Information: NONE CURRENTLY KNOWN.  
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ACUTE EFFECTS OF OVER EXPOSURE

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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: THERE IS NO LC50 FOR THIS MATERIAL SINCE NO  
FATALITIES OCCURRED AT THE HIGHEST ATMOSPHERIC  
CONCENTRATION ACHIEVABLE IN THIS STUDY.  
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 ARE NO KNOWN MEDICAL CONDITIONS THAT ARE  
AGGRAVATED BY EXPOSURE TO THIS MATERIAL.  
Other Hazard: NONE CURRENTLY KNOWN.  
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EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: GIVE 1 TO 3 GLASSES OF WATER AND INDUCE  
VOMITING. OBTAIN MEDICAL ATTENTION. DO NOT  
INDUCE VOMITING OR GIVE AN UNCONSCIOUS PERSON  
ANYTHING BY MOUTH.  
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.  
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VI. REACTIVITY

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Stability: Stable  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
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Polymerization: Will Not Occur  
Conditions to Avoid: NONE CURRENTLY KNOWN.  
Incompatibility material: HAZARDOUS IN CONTACT WITH OXIDIZING MATERIALS,  
FORMING EXPLOSIVE MIXTURES. CORROSIVE TO STEEL.  
Hazardous Combustion: SULPHUR DIOXIDE UNDER FIRE CONDITIONS.  
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VII. SPILL OR LEAK PROCEDURES

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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.  
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VIII. SPECIAL PROTECTION INFORMATION

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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.  
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IX. SPECIAL PRECAUTIONS

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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. DO NOT ALLOW WATER TO BE INTRODUCED  
INTO THE CONTENTS OF THIS CONTAINER.  
Other precaution:  
LISTED UNDER MASSACHUSETTS AND NEW JERSEY STATE  
RIGHT-TO-KNOW LAWS.  
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Helena Chemical Company  
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X. SHIPPING INFORMATION  
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Shipping name: NOT REGULATED BY DOT  
Hazard Class: NONE  
Identification No: NONE  
Labels Required: NONE  
Placarding: NONE  
Freight Class: SULFUR, LIQUID SUSPENSION (NMFC ITEM 102120,  
CLASS 60)

Chemical Name	Equivalent R.Q.
----- NOT APPLICABLE	----- NOT APPLICABLE

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XI. GENERAL PRODUCT INFORMATION  
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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	

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