

Material Safety Data Sheet

Revision Issued: 6/18/2008 Supercedes: 4/19/2005 First Issued: 1/19/1990

Section I - Chemical Product And Company Identification

Product Name: Sulfur Tapers

CAS Number: 7704-34-9

HBCC MSDS No. HA11531



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Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	%	Exposure Limits (TWAs) in Air		
			ACGIH TLV	OSHA PEL	STEL
Sulfur	7704-34-9	100	N/A	N/A	N/A

Section III - Hazard Identification

Routes of Exposure:

Summary of Acute Health Hazards

Ingestion: Sulfur has a low order of toxicity.

Inhalation: Sulfur dioxide gas generated by lighted detector can cause severe irritation to nose, throat and lungs. Avoid inhaling fumes. Use of Taper is local and temporary.

Skin: Upon continued or repeated contact may cause irritation of the skin. Avoid flame coming in contact with body tissue.

Eyes: Sulfur dioxide gas generated by lighted detector can cause severe irritation.

Summary of Chronic Health Hazards: N/A

Signs and Symptoms of Exposure: N/A

Effects of Overexposure: The burning of a sulfur taper can be temporarily irritating to the eyes if held too close.

Medical Conditions Generally Aggravated by Exposure: N/A

Note to Physicians: N/A

Section IV - First Aid Measures

Ingestion: If large amounts are swallowed, immediately call a physician.

Inhalation: Move to fresh air. Consult a physician should symptoms or irritation persist.

Skin: Wash with soap and water. Consult a physician should symptoms or irritation persist.

Eyes: Rinse eyes with water for 10-15 minutes. Consult a physician should irritation persist.

Section V - Fire Fighting Measures

Flash Point: 405°F; 207°C **Autoignition Temperature:** 450°F; 232°C

Lower Explosive Limit: 35g/m³ **Upper Explosive Limit:** 1400g/m³

Unusual Fire and Explosion Hazards: Fire may restart after it has been extinguished.

Extinguishing Media: Water, sand or fine earth to exclude oxygen.

Special Firefighting Procedures: Wear self-contained breathing apparatus.

Section VI - Accidental Release Measures

N/A

Section VII - Handling and Storage

N/A

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: Avoid inhaling fumes generated by lighted detector

Ventilation: General ventilation

Protective Clothing: Do not allow flame to contact body tissue or any combustible material - thick leather gloves recommended.

Eye Protection: Safety glasses

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Wash hands thoroughly with soap and water before eating, drinking, smoking, or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Section IX - Physical and Chemical Properties

Physical State: Solid until ignited thus becoming a gas.

pH: N/A

Melting Point/Range: 234.5-246.2°F ; 112.5-119°C

Boiling Point/Range: 832°F; 444.6°C

Appearance/Color/Odor: Yellowish strip, approximately 8" long, no odor

Solubility in Water: Insoluble

Vapor Pressure (mmHg): N/A

Specific Gravity (Water=1): 2.07

Molecular Weight: N/A

Vapor Density (Air=1): N/A

% Volatiles: 100

How to detect this compound : N/A

Section X - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Potentially explosive mixtures are formed when in contact with oxidizing materials. Do not use if ammonia concentration in air is in range of 15% to 28%.

Materials to Avoid: Potential explosive mixtures are formed when in contact with oxidizing materials. Separate from chlorates, nitrates, charcoal, metals, carbides, halogens and other oxidizers.

Hazardous Decomposition Products: Upon oxidation will form oxides of sulfur including sulfur dioxide and sulfur trioxide. Formation of hydrogen sulphide may occur.

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

Wastes should be handled in accordance with local, state, and federal regulations.

Section XIV - Transport Information

DOT Proper Shipping Name: Sulfur
DOT Hazard Class/ I.D. No.: 9, NA1350, III
For International Shipments Only:
DOT Proper Shipping Name: Sulfur
DOT Hazard Class/ I.D. No.: 4.1, UN1350, III

Section XV - Regulatory Information

Reportable Quantity: N/A
NFPA Rating: Health - 2; Flammability - 1; Instability - 0
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Carcinogenicity Lists: None **NTP:** No **IARC Monograph:** No **OSHA Regulated:**
No

Section XVI - Other Information

Synonyms/Common Names: Ammonia Leak Detector
Chemical Family/Type: Sulfur
Sections changed since last revision: II, III, IV, X, XIV
IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.