

Humco Holding Group, Inc.
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Item#0395-2799

SULFUR SUBLIMED POWDER (FLOWERS) U.S.P.

Date Prepared 04/10/07

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

Product Name: Sulfur

Common Synonyms: Brimstone; Bensulfoid; Flowers of Sulfur; Precipitated Sulfur; Sublimed Sulfur

Chemical Family: Natural Products

Formula Wt.: 32.06

CAS No.: 7704-34-9

NIOSH/RTECS No.: WS4250000

Product Use: Laboratory Reagent

Product Codes: 4088, 4084

Emergency Telephone Numbers:

Humco Holding Group	800-662-3435
Chemtrec	800-424-9300

PRECAUTIONARY LABELING

Health	1	Slight
Flammability	1	Slight
Reactivity	0	None
Contact	1	Slight

Laboratory Protective Equipment: Goggles and Lab Coat

U.S. Precautionary Labeling

Warning! Dust may form flammable or explosive mixture with air. Keep away from heat, sparks, flame. During use avoid contact with eyes, skin, clothing. Wash thoroughly after handling. When not in use keep in tightly closed container.

International Labeling

Highly flammable. Keep away from sources of ignition - No smoking. Do not breathe dust.

Storage Color Code: Orange (general storage)

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SECTION 2

COMPONENTS

Component	CAS No.	Weight %	OSHA/PEL	ACGIH/TLV
Sulfur	7704-34-9	99-100	N/E	N/E

SECTION 3

PHYSICAL DATA

Boiling Point (at 760 mm Hg): 445°C (833°F) **Vapor Pressure (mm Hg):** N/A

Melting Point (at 760 mm Hg): 116°C (240°F) **Vapor Density (Air = 1):** 8.8

Specific Gravity (H₂O = 1.0): 2.01 **Solubility in Water:** Negligible (<0.1%)

Evaporation Rate: N/A **% Volatiles by Volume (21°C):** 0

pH: N/A **Odor Threshold (ppm):** N/A

Physical State: Solid **Coefficient Water/Oil Distribution:** N/A

Appearance & Odor: Yellow crystals, powder, or solid. Faint odor.

SECTION 4

FIRE & EXPLOSION HAZARD DATA

Flash Point (Closed Cup): 187°C (370°F) **NFPA 704M Rating:** 1 - 1 - 0

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A Lower - N/A

Fire Extinguishing Media: Use water spray, alcohol foam, dry chemical or carbon dioxide.

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire & Explosion Hazards: When heated to decomposition, toxic fumes of sulfur dioxides are emitted.

Toxic Gases Produced: Sulfur Dioxide.

Explosion Data-Sensitivity to Mechanical Impact: None identified.

Explosion Data-Sensitivity to Static Discharge: None identified.

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SECTION 5

HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of Components:

No information is available.

Carcinogenicity: NTP: No **IARC:** No **Z List:** No **OSHA Reg:** No

Carcinogenicity: None identified

Reproductive Effects: None identified

Effects of Overexposure:

Inhalation: None identified

Skin Contact: None identified

Eye Contact: None identified

Skin Absorption: None identified

Ingestion: None identified

Chronic Effects: None identified

Target Organs: None identified

Primary Routes of Entry: None indicated

Medical Conditions Generally Aggravated by Exposure: None identified

Emergency & First Aid Procedures

Ingestion: If swallowed and the person is conscious, immediately give large amounts of water. Get medical attention.

Inhalation: If a person breathes in large amounts, move the exposed person to fresh air.

Skin Contact: In case of contact, immediately wash skin with plenty of soap and water for at least 15 minutes.

Eye Contact: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.

N/A = Not Applicable or Not Available

N/E = Not Established