



Material Safety Data Sheet (MSDS) for Sulfur (Sulphur)

Product Identification:

Product Name: Sulfur (Sulphur)
Chemical Formula: S8
CAS Number: 7704-34-9
Synonyms: Sulphur, Brimstone

Section 1: Product Information

Manufacturer/Supplier: ATMDCO
Address: Turan Güneş Blv. İlkbahar Mah. Galip Erdem CD. 613 Sk.(Fahrettin Paşa) 06550
Emergency Contact: 00903125147055

Section 2: Hazard Identification

Classification:
Skin Irritation (Category 2)
Eye Irritation (Category 2)
Respiratory Sensitization (Category 1)
Acute Aquatic Toxicity (Category 1)
Signal Word: Warning
Hazard Statements:
Causes skin and eye irritation.
May cause respiratory irritation.
Toxic to aquatic life.

Section 3: Composition/Information on Ingredients

Chemical Name: Sulfur (Sulphur)
CAS Number: 7704-34-9
Concentration: 100%

Section 4: First Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact: Wash affected areas with soap and water. If irritation occurs, seek medical attention.
Inhalation: Remove to fresh air. If breathing difficulties persist, seek medical attention.
Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention



Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide, foam.

Specific Hazards: Sulfur dust may form explosive mixtures in the air.

Special Protective Equipment: Wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid contact with eyes, skin, and clothing.

Environmental Precautions: Prevent entry into waterways. Inform relevant authorities if the product causes environmental pollution.

Section 7: Handling and Storage

Handling: Avoid inhalation of dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

Storage: Store in a cool, dry place away from incompatible materials. Keep containers tightly closed.

Section 8: Exposure Controls/Personal Protection

Exposure Limits:

OSHA Permissible Exposure Limit (PEL): 10 mg/m³ (TWA)

ACGIH Threshold Limit Value (TLV): 10 mg/m³ (TWA)

Engineering Controls: Use local exhaust ventilation to maintain airborne concentrations below exposure limits.

Personal Protective Equipment: Wear appropriate protective clothing, gloves, and eye/face protection.

Section 9: Physical and Chemical Properties

Physical State: Solid

Color: Yellow

Odor: Odorless

Melting Point: 115.21°C (239.38°F)

Boiling Point: 444.6°C (832.3°F)

Solubility in Water: Insoluble



Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Sulfur dioxide (SO₂) may be released during combustion.

Section 11: Toxicological Information

Acute Toxicity: LD₅₀ (oral, rat) > 2,000 mg/kg

Skin Irritation: Mild irritant

Eye Irritation: Moderate irritant

Section 12: Ecological Information

Ecotoxicity: Toxic to aquatic life. Avoid release into the environment.

Section 13: Disposal Considerations

Dispose of in accordance with local, regional, and national regulations.

Section 14: Transport Information

UN Number: 1350

Proper Shipping Name: Sulfur

Transport Hazard Class: 4.1 (Flammable solid)

Section 15: Regulatory Information

Follow all applicable regulations and guidelines.

Section 16: Other Information

This MSDS is intended to provide a summary of key information. It is not a comprehensive document. For detailed information, refer to the product label and technical data sheet.

[Note: Adapt the MSDS to your specific product and company information. Consult with a qualified professional to ensure compliance with local regulations.]