



Material Safety Data Sheet (MSDS)

Product Name: Celestine (Strontium Sulfate - SrSO₄)

Date of Issue: 2025-01-13

Section 1: Product and Company Identification

Product Name: Celestine

Chemical Formula: SrSO₄

CAS Number: 7759-02-6

HS Code: 253090

Manufacturer/Supplier: Basekim

Section 2: Hazard Identification

Classification:

- Not classified as hazardous under GHS criteria.

Hazard Statements:

- May cause mechanical irritation to the eyes, skin, and respiratory tract.

Precautionary Statements:

- Avoid inhalation of dust.
- Use personal protective equipment (PPE).

Signal Word: None

Section 3: Composition/Information on Ingredients

Chemical Name: Strontium Sulfate

Purity: ≥ 95%

Impurities: ≤ 5%

Section 4: First Aid Measures

Eye Contact: Rinse immediately with water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. Seek medical attention if irritation occurs.

Inhalation: Move to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if symptoms occur.

Section 5: Firefighting Measures

Suitable Extinguishing Media: Use water spray, foam, or dry chemical.

Special Hazards: Non-flammable. Emits toxic fumes under high-temperature decomposition.

Protective Equipment: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing.



Section 6: Accidental Release Measures

Personal Precautions: Avoid creating or inhaling dust. Wear appropriate PPE.

Environmental Precautions: Prevent product from entering drains or waterways.

Cleanup Methods: Collect and store in a suitable container for disposal. Avoid generating dust.

Section 7: Handling and Storage

Handling:

- Avoid dust generation.
- Use in a well-ventilated area.
- Use PPE (gloves, masks, goggles).

Storage:

- Store in a cool, dry place.
 - Keep away from moisture and direct sunlight.
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Section 8: Exposure Controls/Personal Protection

Exposure Limits: None established.

Engineering Controls: Use local exhaust ventilation to minimize dust exposure.

Personal Protective Equipment:

- **Respiratory Protection:** N95 mask or equivalent.
 - **Eye Protection:** Safety goggles.
 - **Skin Protection:** Protective gloves.
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Section 9: Physical and Chemical Properties

- **Appearance:** Pale blue, gray, or colorless crystals or powder
 - **Odor:** Odorless
 - **Density:** ~3.96 g/cm³
 - **Solubility:** Insoluble in water, soluble in acids
 - **Melting Point:** Decomposes at high temperatures
 - **pH:** Neutral
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Section 10: Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: Reacts with strong acids to produce strontium salts.

Hazardous Decomposition Products: Strontium oxide and sulfur oxides at high temperatures.

Section 11: Toxicological Information

Acute Toxicity: Not classified as toxic.

Skin and Eye Irritation: May cause mechanical irritation.

Inhalation: Prolonged inhalation of dust may cause respiratory discomfort.

Carcinogenicity: Not classified as a carcinogen.

Section 12: Ecological Information



Environmental Impact: Low ecological impact if responsibly managed.

Persistence: Stable and non-biodegradable.

Bioaccumulation: No evidence of bioaccumulation.

Section 13: Disposal Considerations

Dispose of waste in accordance with local, regional, and national regulations. Avoid discharge into waterways or sewers.

Section 14: Transport Information

UN Number: Not applicable

Transport Hazard Class: Not classified as hazardous

Packing Group: Not applicable

Special Precautions: Ensure proper labeling and secure packaging to prevent damage.

Section 15: Regulatory Information

Complies with relevant international and local chemical safety regulations.

Section 16: Other Information

The information provided in this MSDS is based on current knowledge and experience. It is intended to describe the product for health, safety, and environmental purposes only and should not be considered as a warranty or specification.