

## Safety Data Sheet (SDS)

**Product Name:** Sodium Sulfate

**CAS Number:** 7757-82-6

**EC Number:** 231-820-9

**Molecular Formula:** Na<sub>2</sub>SO<sub>4</sub>

**Molecular Weight:** 142.04 g/mol

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### 1. Identification

#### Product identifier

Sodium Sulfate

#### Synonyms

Disodium sulfate

Sulfuric acid disodium salt

E514

#### Recommended use

Laboratory chemical, analytical reagent, calibration material, technical compound for research and laboratory use.

#### Supplier

Rexar

Genestetstraat 3

2394 XK Hazerswoude Rijndijk

Netherlands

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### 2. Hazard Identification

#### Classification according to Regulation (EC) No. 1272/2008 (CLP)

Not classified as hazardous according to CLP criteria.

#### Label elements

No hazard pictogram required.

#### Signal word

None

#### Hazard statements

None

#### Precautionary statements

P264 Wash hands thoroughly after handling.

P280 Wear appropriate protective equipment when handling laboratory chemicals.

P270 Do not eat, drink or smoke when using this product.

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### **3. Composition / Information on Ingredients**

#### **Substance**

Sodium Sulfate

#### **CAS Number**

7757-82-6

#### **EC Number**

231-820-9

#### **Purity**

Typically  $\geq 99\%$

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### **4. First Aid Measures**

#### **General advice**

Remove contaminated clothing. Seek medical advice if symptoms persist.

#### **Inhalation**

Move person to fresh air. Seek medical attention if irritation develops.

#### **Skin contact**

Wash skin thoroughly with soap and water.

#### **Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

#### **Ingestion**

Rinse mouth with water. Seek medical advice if discomfort occurs.

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### **5. Fire Fighting Measures**

#### **Suitable extinguishing media**

Water spray, dry chemical powder, carbon dioxide or foam.

#### **Specific hazards**

Thermal decomposition may produce sulfur oxides and sodium oxides.

**Protective equipment**

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus.

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**6. Accidental Release Measures****Personal precautions**

Use appropriate personal protective equipment. Avoid dust formation.

**Environmental precautions**

Prevent large quantities from entering drains or waterways.

**Methods for cleanup**

Sweep up material carefully and place in suitable container for disposal.

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**7. Handling and Storage****Handling**

Handle in accordance with good laboratory practice. Avoid unnecessary dust formation.

**Storage**

Store in a cool, dry and well-ventilated area. Keep container tightly closed.

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**8. Exposure Controls / Personal Protection****Engineering controls**

Use adequate ventilation.

**Personal protective equipment****Eye protection**

Safety glasses or chemical splash goggles

**Skin protection**

Protective gloves

**Respiratory protection**

Dust mask recommended when dust is generated.

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**9. Physical and Chemical Properties**

**Appearance**

White crystalline powder or granules

**Odor**

Odorless

**Melting point**

884 °C

**Density**

2.66 g/cm<sup>3</sup>

**Solubility**

Soluble in water

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**10. Stability and Reactivity****Stability**

Stable under recommended storage conditions.

**Conditions to avoid**

Excessive moisture and contamination.

**Incompatible materials**

Strong reducing agents.

**Hazardous decomposition products**

Sulfur oxides and sodium oxides.

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**11. Toxicological Information****Acute toxicity**

Not classified as acutely toxic at typical laboratory exposure levels.

**Skin irritation**

May cause mild irritation through prolonged exposure.

**Eye irritation**

Dust may cause mechanical irritation.

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**12. Ecological Information****Ecotoxicity**

No significant environmental hazard expected at normal laboratory quantities.

**Persistence and degradability**

Naturally occurring inorganic salt.

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**13. Disposal Considerations**

Dispose of material in accordance with local, regional and national regulations through licensed chemical waste handlers.

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**14. Transport Information****UN number**

Not regulated for transport.

**Transport hazard class**

Not classified as dangerous goods for ADR, IMDG or IATA.

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**15. Regulatory Information**

Classification according to EU CLP Regulation (EC) No. 1272/2008.

Not classified as hazardous.

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**16. Other Information**

This Safety Data Sheet is provided for laboratory safety guidance.

The product is supplied as a chemical substance for analytical, technical or research applications only.

Not intended for human or animal consumption or for medical use.