

Safety Data Sheet

Sodium Sulfite

Analytical chemical / laboratory reagent

SECTION 1: Identification of the substance and of the company

Product identifier	Sodium Sulfite
Chemical name	Disodium sulfite / sodium sulphite
CAS number	7757-83-7
EC number	231-821-4
Relevant identified uses	Laboratory reagent; reducing agent; analytical and technical applications
Uses advised against	Human/animal consumption; food, supplement, cosmetic, medical, diagnostic or therapeutic use
Supplier	Rexar, Genestetstraat 3, 2394 XK Hazerswoude-Rijndijk, Netherlands
Contact	info@rexar.nl www.rexar.nl

SECTION 2: Hazards identification

Classification: Public ECHA C&L; notifications are inconsistent for this substance and include both classified and non-classified notifications. Therefore this Rexar reference SDS does not assign a single definitive CLP classification without the exact supplier/grade SDS.

Important hazards: Dust may irritate eyes and respiratory tract. The substance is a reducing agent. Contact with strong acids can release sulfur dioxide; heating can generate irritating or toxic sulfur oxides.

Precautions: Avoid dust formation, ingestion and contact with acids/oxidants. Use suitable laboratory eye protection and gloves.

SECTION 3: Composition / information on ingredients

Substance	Sodium sulfite
CAS number	7757-83-7
EC number	231-821-4
PubChem CID	24437
Molecular formula	Na ₂ SO ₃
Molecular weight	126.05 g/mol
Purity	Lot-specific; refer to supplier documentation / COA

SECTION 4: First-aid measures

Inhalation: Move to fresh air and rest. Seek medical attention if symptoms persist.

Skin: Remove contaminated clothing and rinse skin with plenty of water.

Eyes: Rinse cautiously with plenty of water for several minutes; remove contact lenses if easy to do. Seek advice if irritation persists.

Ingestion: Rinse mouth and give water if the person is conscious. Seek medical advice if unwell.

SECTION 5: Fire-fighting measures

Non-combustible. Use extinguishing media appropriate to the surrounding fire. Heating may produce irritating or toxic sulfur oxide fumes. Fire-fighters should use suitable protective equipment.

SECTION 6: Accidental release measures

Avoid dust formation and inhalation. Ventilate the area. Wear suitable gloves and eye protection. Collect mechanically into a labelled container. Prevent uncontrolled release to drains and avoid contact of spilled material with acids.

SECTION 7: Handling and storage

Handle using good laboratory practice. Avoid generating or breathing dust. Keep tightly closed and dry. Store away from strong acids and oxidising agents. Prevent contamination and excessive heat.

SECTION 8: Exposure controls / personal protection

Use adequate ventilation. Wear suitable laboratory gloves, protective clothing and safety glasses/goggles. Where dust cannot otherwise be controlled, use appropriate particulate respiratory protection.

SECTION 9: Physical and chemical properties

Appearance	White crystalline powder or crystals
Odour	Odourless
Molecular formula	Na ₂ SO ₃
Molecular weight	126.05 g/mol
Density	Approximately 2.63 g/cm ³
Water solubility	Approximately 22 g/100 mL at 20 °C
Thermal behaviour	Decomposes on heating; reported melting point approximately 911 °C
Flammability	Non-combustible

SECTION 10: Stability and reactivity

Stable under recommended storage conditions. Strong reducing agent. Reacts with oxidants and with strong acids, which can release sulfur dioxide/sulfur oxides. Avoid excessive heat and incompatible materials.

SECTION 11: Toxicological information

Exposure can occur by inhalation or ingestion. Dust may cause cough or sore throat. Ingestion of sulfite solutions can cause gastrointestinal irritation. Public classification notifications vary; consult the exact supplier SDS for grade-specific toxicological classification.

SECTION 12: Ecological information

Avoid uncontrolled environmental release. Refer to the current supplier SDS and regulatory documentation for grade-specific ecotoxicological data.

SECTION 13: Disposal considerations

Dispose of unused material and contaminated packaging through an authorised chemical-waste route in accordance with applicable requirements. Do not mix with acids during disposal and avoid uncontrolled discharge.

SECTION 14: Transport information

Verify transport classification against the exact supplied grade, quantity and current carrier requirements. No transport classification is assigned here without supplier/lot-specific confirmation.

SECTION 15: Regulatory information

Sodium sulfite is identified under CAS 7757-83-7 / EC 231-821-4. Public ECHA C&L; notification data show differing classifications between notifiers; users should rely on the applicable supplier SDS and current jurisdiction-specific requirements.

SECTION 16: Other information

Revision date: 10 September 2026.

Identity reference: PubChem CID 24437; CAS 7757-83-7.

Safety basis: PubChem Laboratory Chemical Safety Summary, ILO-WHO ICSC data and aggregated ECHA C&L; notifications. This SDS is a general laboratory safety reference and is not a certificate of analysis.