

Sodium Sulfite

disodium sulfite | CAS 7757-83-7

Product identification

Product name	Sodium Sulfite
Chemical name	Disodium sulfite / sodium sulphite
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
InChIKey	GEHJYWRUCIMESM-UHFFFAOYSA-L
SMILES	[O-]S(=O)[O-].[Na+].[Na+]
Material type	Analytical chemical / laboratory reagent

Material description

Sodium Sulfite is an inorganic sulfite salt supplied by Rexar as an analytical chemical for laboratory and technical applications. The anhydrous substance is typically a white, odourless crystalline powder or crystals and acts as a reducing agent.

Intended use

For laboratory, analytical, chemical, reagent-preparation, quality-control and research applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Inorganic sodium sulfite salt
Typical physical form	White crystalline powder or crystals
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
Storage guidance	Keep tightly closed and dry. Protect from strong acids and oxidising agents.

Analytical use and traceability

Lot-specific purity, assay, impurities, water content and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis. They are not inferred by this datasheet.

Safety note

Public ECHA C&L; notifications for sodium sulfite are not uniform and include differing classifications depending on notifier and material. The substance is a strong reducing agent, reacts with oxidants and can release sulfur dioxide/sulfur oxides on contact with strong acids or on heating. The exact supplier SDS for the supplied grade should control classification and handling.

Identity verification note

Identity verified against PubChem CID 24437: CAS 7757-83-7, Na₂SO₃, 126.05 g/mol, InChIKey GEHJYWRUCIMESM-UHFFFAOYSA-L.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical or safety documentation.