



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
Periyamet, Chennai – 600003, India
+91 86087 80096 · +91 81979 47045
admin@supremepetrochemicals.com

SAFETY DATA SHEET (SDS)

Sodium Sulphite *SDS*

CAS 7757-83-7 EC 231-821-4 SIGNAL WORD DANGER

GHS07

Harmful / Irritant

REV 3.1

29 JULY 2026

GHS REV.11 (2025)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE
COMPANY

Product Name	Sodium Sulphite
Product Type	Reducing agent
Chemical Family	Inorganic sulphite
CAS No.	7757-83-7
EC No.	231-821-4
Intended Use	Industrial / professional use as listed on the SPC product page.
Restrictions on Use	Industrial / professional use only. Confirm grade suitability before regulated or consumer use.
Supplier	Supreme Petro Chemicals
Address	No. 145, 1st Floor, Raja Muthiah Road, Periyamet, Chennai – 600003, India
Emergency Contact	Sanketh — +91 86087 80096 · Sudarshan — +91 81979 47045
Email	admin@supremepetrochemicals.com
Product Page	https://www.supremepetrochemicals.com/products/sodium-sulphite
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Eye Irrit. 2 – H319. Not classified for other GHS hazard classes based on reviewed source data.



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Signal Word	WARNING
GHS Pictograms	GHS07 (Harmful / Irritant)

HAZARD STATEMENTS

- H319 — Causes serious eye irritation

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe dust / fume / gas / mist / vapours / spray.
- P264 — Wash hands and exposed skin thoroughly after handling.
- P271 — Use only outdoors or in a well-ventilated area.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- P337+P313 — If eye irritation persists: Get medical advice / attention.
- P403+P235 — Store in a well-ventilated place. Keep cool.
- P405 — Store locked up.
- P501 — Dispose of contents / container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	EC NO.	% W/W	GHS CLASSIFICATION
Sodium Sulphite	7757-83-7	231-821-4	100	Eye Irrit. 2; H319

Full text of H-statements listed in Section 16.

SECTION 4 FIRST AID MEASURES

Inhalation	Remove person to fresh air. If dust has been inhaled and irritation persists, seek medical attention.
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Skin Contact	Remove contaminated clothing. Wash affected skin thoroughly with soap and water. Seek medical attention if symptoms persist.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.
Ingestion	Rinse mouth. Do not induce vomiting unless directed by medical personnel. Seek medical advice.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Contact with acids may liberate sulphur dioxide gas; treat for SO ₂ inhalation if indicated.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Sodium sulphite is not flammable. Use extinguishing media appropriate for the surrounding fire: water spray, foam, dry chemical or carbon dioxide.
Unsuitable Media	Direct high-pressure water jet where it may spread the material.
Specific Hazards	Not combustible. In fire conditions, thermal decomposition may yield sulphur dioxide (SO ₂) and sodium oxide fumes — irritating and toxic. Containers may rupture when heated.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA). Keep non-essential personnel away.
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-water run-off from entering drains and waterways.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid generating dust. Wear appropriate PPE (see Section 8). Keep non-essential personnel away.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Report releases to the environment to relevant authorities as required.
Containment / Clean-up	Sweep or vacuum spilled material into labelled, sealed containers. Avoid generating dust. Collect material for disposal through an approved waste contractor. Do not flush to drain.
Reference to Sections	See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.



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SECTION 7 HANDLING AND STORAGE

Handling Precautions	Avoid generating dust. Do not breathe dust. Use in well-ventilated areas. Keep away from acids and strong oxidisers. Use appropriate PPE (see Section 8).
Hygiene	Wash hands and exposed skin after handling. Remove contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Storage Conditions	Store dry in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage. Keep away from moisture.
Storage Temperature	Store at ambient temperature unless supplier instructions specify otherwise.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides), concentrated acids, halogens. Reactive with aluminium chloride under elevated temperature.
Segregation	Segregate from food, drink, animal feed and incompatible chemicals. Keep away from oxidisers and acids.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit	Sodium Sulphite (CAS 7757-83-7): No universally established OEL. Apply ALARA / good industrial hygiene practice. Verify current local OEL (OSHA / NIOSH / ACGIH / EU / India) before use.
Engineering Controls	Use closed handling systems and local exhaust ventilation to control dust. Explosion-proof ventilation is not required for this non-flammable solid under normal conditions.
Respiratory Protection	Where dust is generated and ventilation is inadequate, use a NIOSH- or EN-approved P95/P100 particulate respirator. Use SCBA for emergency or high-concentration situations.
Hand / Eye / Skin	Hands: chemical-resistant gloves (nitrile, neoprene or PVC); select breakthrough time appropriate to the task. Eyes: EN 166 / ANSI Z87.1 chemical splash goggles. Skin: chemical-resistant clothing or apron and safety footwear. Provide eyewash and safety shower where appropriate.



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder.
Odour	Odourless to faintly characteristic (sulphurous).
Odour Threshold	Not established.
pH	Approximately 10–11 (freshly prepared 1% w/v aqueous solution; mildly alkaline).
Melting / Freezing Point	Approximately 500 °C (decomposes before melting at atmospheric pressure; anhydrous form). Confirm with supplier.
Boiling Point / Range	Not applicable — decomposes on heating; no distinct boiling point at atmospheric pressure.
Flash Point	Not applicable — non-combustible inorganic solid.
Auto-ignition Temperature	Not applicable.
Flammability Limits	Not applicable — non-flammable solid.
Vapour Pressure	Negligible at ambient temperature.
Vapour Density (air = 1)	Not applicable — solid; negligible vapour pressure.
Relative Density	Approximately 2.63 g/cm ³ (anhydrous). Confirm with supplier.
Solubility in Water	Freely soluble (approximately 27 g/100 mL at 20 °C).
Log Pow (Partition Coeff.)	Not established; expected to be highly negative (strongly hydrophilic ionic salt).
Evaporation Rate	Not applicable — solid.
Viscosity	Not applicable — solid.
VOC Content	Zero — inorganic solid; not subject to VOC regulations.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions. The anhydrous form is hygroscopic; absorbs moisture from air. Oxidises slowly in moist air to sodium sulphate.
Conditions to Avoid	Exposure to moisture and air (leads to oxidation to sulphate), heat above decomposition temperature, contact with acids (generates sulphur dioxide gas), incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides), concentrated acids, halogens. Reactive with aluminium chloride (AlCl ₃) under elevated temperature — not a concern under normal ambient storage.



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Hazardous Decomposition	On heating above ~500 °C or in fire conditions: sulphur dioxide (SO ₂), sodium oxide / sodium sulphate. Contact with acids at any temperature liberates SO ₂ .
Hazardous Reactions	Will not occur under normal conditions when stored and handled correctly. Generates SO ₂ on contact with acids.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD ₅₀ (rat, oral): approximately 2,000–4,000 mg/kg (low acute oral toxicity based on available literature). Not classified for acute oral toxicity under GHS.
Acute Dermal Toxicity	No specific data available. Expected to be of low acute dermal toxicity. Not classified.
Acute Inhalation Toxicity	Dust may irritate the respiratory tract. Inhalation of dust generated in handling may cause coughing and irritation. Contact with acids can generate sulphur dioxide — a respiratory irritant and toxic gas.
Skin Irritation	May cause mild skin irritation on prolonged contact. Not classified for skin irritation under GHS based on available data.
Eye Irritation	Causes serious eye irritation (classified Eye Irrit. 2; H319). Dust or solution contact may cause redness, tearing and discomfort.
Sensitisation	No evidence of skin or respiratory sensitisation reported in available literature.
Carcinogenicity	Not classified. Not listed as a carcinogen by IARC, NTP, or OSHA. Confirm with supplier for specific formulation.
Mutagenicity	Not classified. No mutagenicity data identified in reviewed sources. Confirm with supplier / regulatory authority for specific grade.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	Not classified for acute or chronic aquatic hazard based on reviewed data. Sodium sulphite exerts a significant oxygen demand in water (acts as an oxygen scavenger), which may deplete dissolved oxygen in aquatic environments. Avoid release to watercourses.
Persistence / Degradability	Inorganic salt; not subject to biological degradation in the conventional sense. Oxidises to sodium sulphate in the environment. Do not assume ready biodegradability.



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Bioaccumulation	Not expected to bioaccumulate. Log Kow is not applicable for this ionic inorganic material; BCF expected to be negligible.
Mobility in Soil	Highly soluble; mobile in soil and groundwater. Prevent release to soil and groundwater.
Other Adverse Effects	Exerts high biological oxygen demand (BOD) in receiving waters due to chemical oxidation. Manage releases and waste under applicable local environmental regulations.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste from Product	Dispose of contents through an authorised waste contractor in accordance with local and national regulations. Do not discharge to sewer or watercourses without treatment authorisation.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed of by an approved method. Decontaminate before recycling where permitted.
Indian Regulations	Observe applicable Hazardous Waste (Management, Handling and Transboundary Movement) Rules and pollution-control authority requirements. Assign appropriate waste code under E-Waste / solid waste regulations as applicable.

SECTION 14 TRANSPORT INFORMATION

PARAMETER	UN / ADR (ROAD)	IMDG (SEA)	IATA (AIR)
UN Number	Not regulated	Not regulated	Not regulated
Proper Shipping Name	Not regulated	Not regulated	Not regulated
Class	Not regulated	Not regulated	Not regulated
Packing Group	Not regulated	Not regulated	Not regulated
Marine Pollutant	N/A	No	N/A

Sodium Sulphite (anhydrous, CAS 7757-83-7) is not classified as dangerous goods under ADR, IMDG or IATA DGR for normal commercial grades. Verify current carrier and regulatory requirements before each shipment. Use UN-certified, compatible, tightly closed containers for transport. Hydrated forms and mixtures may require separate verification.

SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Classified and labelled according to EU CLP Regulation (EC) No 1272/2008 as amended. REACH: verify substance registration status
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on ECHA database before EU import or supply. Observe Annex II SDS requirements.

OSHA (USA)	Prepared in OSHA HCS / HazCom 2012 aligned 16-section format. Verify TSCA inventory / SNUR status before US import or distribution.
India	Observe applicable Indian regulations: Manufacture, Storage and Import of Hazardous Chemical (MSIHC) Rules 1989 (as amended); Hazardous Waste Rules; Environment Protection Act; Factories Act; Petroleum Act (as applicable to SO ₂ liberation hazard). Check inventory and import/export restrictions.
Other Jurisdictions	Canada: Classify and label under WHMIS 2015 / HPR; bilingual SDS and ingredient disclosure may be required. China: Use applicable GB/T SDS and classification requirements. Australia (AICS): Check inventory status before import. GCC / Middle East: Observe applicable GHS-aligned local requirements. Final market placement requires confirmation of local OELs, transport class, waste code and restrictions.

SECTION 16 OTHER INFORMATION

Prepared By	Supreme Petro Chemicals — Technical Department
SDS Standard	UN GHS Rev.11 (2025); OSHA HCS/HazCom; EU CLP/REACH Annex II; Canada WHMIS/HPR — 16-section format
Revision Date	24 June 2026
Version	3.0 (supersedes prior issues)
Disclaimer	Information is given in good faith and believed accurate at issue. It does not constitute a specification or guarantee; the user is responsible for safe use, handling and compliance.

FULL TEXT OF H-STATEMENTS

- H319 — Causes serious eye irritation