



SUPREME PETRO
CHEMICALS

IMPORTER & DISTRIBUTOR OF INDUSTRIAL CHEMICALS ·
SINCE 1997

No. 145, 1st Floor, Raja Muthiah Road,
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SAFETY DATA SHEET (SDS)

Sodium Bisulphate *SDS*

REV 3.1
29 JULY 2026
GHS REV.11 (2025)

CAS 7681-38-1 EC 231-665-7 SIGNAL WORD DANGER

GHS05

Corrosive / Eye Damage

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

Product Name	Sodium Bisulphate
Product Type	Acid salt
Chemical Family	Inorganic sulphate
CAS No.	7681-38-1
EC No.	231-665-7
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-bisulphate
SDS Revision	July 2026
SDS Version	3.1

SECTION 2 HAZARD IDENTIFICATION

Eye Dam. 1 (H318). Not classified for unlisted hazard classes based on reviewed source data.



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Signal Word	DANGER
GHS Pictograms	GHS05 (Corrosive / Eye Damage)

HAZARD STATEMENTS

- H318 — Causes serious eye damage

PRECAUTIONARY – PREVENTION

- P260 — Do not breathe vapours or spray.
- P271 — Use only outdoors or in a well-ventilated area.
- P272 — Contaminated work clothing should not be allowed out of the workplace.
- P273 — Avoid release to the environment.
- P280 — Wear protective gloves / eye protection / face protection.

PRECAUTIONARY – RESPONSE / STORAGE / DISPOSAL

- P301+P310 — IF SWALLOWED: Immediately call a POISON CENTER or doctor.
- P303+P361+P353 — IF ON SKIN OR HAIR: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- 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.
- P331 — Do NOT induce vomiting.
- P312 — Call a POISON CENTER or doctor if you feel unwell.
- 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 Bisulphate	7681-38-1	231-665-7	100	Eye Dam. 1 (H318)

Full text of H-statements listed in Section 16.



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SECTION 4 FIRST AID MEASURES

Inhalation	Move to fresh air immediately if dust/fumes are inhaled. If breathing is difficult, seek medical attention. Rinse nose and throat with water.
Skin Contact	Remove contaminated clothing immediately. Wash affected skin thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation, redness, or pain persists.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek immediate medical attention — serious eye damage may result.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical advice immediately.
Note to Physician	Treat symptomatically based on exposure route and product hazards. Sodium bisulphate is a strong acid salt; irrigate eyes and skin copiously with water.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical or carbon dioxide appropriate to surrounding fire. Product itself is not combustible.
Unsuitable Media	Avoid high-pressure direct water jet that may spread material.
Specific Hazards	Not flammable. On decomposition or in fire, may release sulphur dioxide (SO ₂) and other irritating or corrosive fumes.
Protective Equipment	Wear full protective clothing and self-contained breathing apparatus (SCBA).
Special Procedures	Evacuate non-essential personnel. Prevent contaminated fire-fighting run-off from entering drains and waterways. Containers may rupture when exposed to heat.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust generation. Wear appropriate PPE (see Section 8). Avoid contact with skin, eyes and clothing.
Environmental Precautions	Prevent entry into drains, sewers, soil and watercourses. Product is acidic — may lower pH of waterways.
Containment / Clean-up	Sweep or vacuum carefully into labelled, sealed containers. Avoid raising dust. Collect all material for disposal. Neutralise spilled



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material with dilute alkali (e.g. sodium bicarbonate) before disposal if required.

Reference to Sections

See Section 8 for PPE, Section 13 for disposal and Section 15 for regulatory information.

SECTION 7 HANDLING AND STORAGE

Handling Precautions

Handle in a well-ventilated area. Avoid dust generation. Avoid contact with eyes, skin and clothing. Avoid contact with strong bases, oxidisers and moisture.

Hygiene

Wash hands thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Storage Conditions

Store in a cool, dry, well-ventilated area in original, tightly closed compatible containers. Inspect containers regularly for leakage or damage.

Storage Temperature

Store at ambient temperature unless supplier instructions specify otherwise.

Incompatible Materials

Strong oxidisers, strong alkalis/bases, moisture. Reactive with aluminium at elevated temperature.

Segregation

Segregate from food, drink, animal feed and incompatible chemicals. Store locked up and away from incompatible materials.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit

No specific OEL established for sodium bisulphate in major jurisdictions. Apply ALARA / good industrial hygiene practice. Verify local OEL (OSHA/NIOSH/ACGIH/EU/India) before use. CAS 7681-38-1; supplier/regional OEL confirmation required.

Engineering Controls

Use closed handling systems and local exhaust ventilation for dust control. Ensure adequate general ventilation. Provide eyewash stations and safety shower where there is risk of contact.

Respiratory Protection

If ventilation is inadequate to control dust, use a NIOSH/EN approved P95/P100 particulate respirator. Use SCBA for emergencies or heavy dust concentrations.

Hand / Eye / Skin

Gloves: chemical-resistant (nitrile, butyl, neoprene or PVC); select for breakthrough time and task duration. Eyes/Face: EN 166 / ANSI



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Z87.1 chemical splash goggles; add face shield where splash risk exists. Body: chemical-resistant apron and safety footwear. Provide eyewash and safety shower.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White granular solid or powder.
Odour	Essentially odourless (slight sulphurous odour may be detectable in solution).
Odour Threshold	Not established.
pH	Strongly acidic in solution (approx. 1 at 1% w/v aqueous solution).
Melting / Freezing Point	Approx. 315°C (decomposes to sodium pyrosulphate above this temperature).
Boiling Point / Range	Not applicable — decomposes above melting point; does not exhibit a true boiling point at atmospheric pressure.
Flash Point	Not applicable — product is non-flammable (inorganic salt).
Auto-ignition Temperature	Not applicable.
Flammability Limits	Not applicable.
Vapour Pressure	Negligible at ambient temperature (solid).
Vapour Density (air = 1)	Not established (solid; vapour pressure negligible).
Relative Density	Approx. 2.43 g/cm ³ at 20°C (anhydrous).
Solubility in Water	Freely soluble (approx. 28 g/100 mL at 20°C).
Log Pow (Partition Coeff.)	Not established for inorganic salt; does not partition into organic phase under normal conditions.
Evaporation Rate	Not applicable (solid).
Viscosity	Not applicable (solid).
VOC Content	Nil (inorganic salt). Assess under applicable local VOC rules.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage and handling conditions.
Conditions to Avoid	Avoid heat above 315°C, moisture, and contact with incompatible materials.
Incompatible Materials	Strong oxidising agents (nitric acid, chlorine, permanganates, peroxides). Strong alkalis/bases. Moisture (hygroscopic; may cake). Reactive with aluminium at elevated temperature — not a concern under ambient storage.



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Hazardous Decomposition	On heating above 460°C, decomposes to sodium pyrosulphate ($\text{Na}_2\text{S}_2\text{O}_7$) then to sodium oxide (Na_2O) and sulphur trioxide (SO_3). In fire, irritating or toxic fumes (SO_2 , SO_3) may be released.
Hazardous Reactions	Will not occur under normal conditions when stored and handled correctly.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Moderately toxic by ingestion. LD50 (rat, oral): approx. 2000–3000 mg/kg (estimated; confirm with supplier). Causes burns to mouth, throat and digestive tract.
Acute Dermal Toxicity	Acidic dust and concentrated solution may cause skin irritation and burns with prolonged contact. Endpoint-specific numeric data requires supplier/test confirmation.
Acute Inhalation Toxicity	Inhalation of dust may irritate the respiratory tract. Endpoint-specific numeric data requires supplier/test confirmation.
Skin Irritation	May cause irritation or chemical burns; acidic solution is corrosive to skin on prolonged exposure.
Eye Irritation	Classified: Causes serious eye damage (Eye Dam. 1, H318). Risk of permanent damage. Immediate flushing required.
Sensitisation	Not classified as a skin or respiratory sensitizer based on available data.
Carcinogenicity	Not listed as carcinogen by IARC, NTP, ACGIH or OSHA based on available data.
Mutagenicity	Not classified as a mutagen based on reviewed data. Endpoint-specific assessment: see Section 2 classification and Section 3 ingredients. Additional numeric endpoint data requires supplier/test confirmation.

SECTION 12 ECOLOGICAL INFORMATION

Aquatic Toxicity	No aquatic classification identified in Section 2 from reviewed data. Sodium bisulphate is highly acidic and may lower environmental pH if released; harmful to aquatic organisms via pH depression. Numeric acute/chronic ecotoxicity data requires supplier/test confirmation.
Persistence / Degradability	Inorganic salt — not biodegradable. Sulphate ion is naturally occurring and persistent in aquatic environments.



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Bioaccumulation	Not expected to bioaccumulate (inorganic ionic species). Log Kow not applicable.
Mobility in Soil	Highly soluble; mobile in soil and groundwater. May acidify soil and contaminate groundwater.
Other Adverse Effects	Avoid uncontrolled release to the environment. 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. Neutralise acidic waste with appropriate alkali before disposal where required by regulation.
Contaminated Packaging	Empty containers may retain residues; handle as hazardous until cleaned or disposed of. Dispose of packaging according to local regulations.
Indian Regulations	Follow applicable Hazardous and Other Wastes (Management and Transboundary Movement) Rules and relevant CPCB/SPCB guidelines. Assign waste code according to actual process and local regulation.

SECTION 14 TRANSPORT INFORMATION

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

DG status requires verification against current ADR/IMDG/IATA criteria for the specific grade and concentration. Note: highly acidic grades may require classification — verify with carrier/freight forwarder before each shipment. Packaging: approved compatible container appropriate to the product. Follow applicable ADR, IMDG and IATA requirements as confirmed for the grade.



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SECTION 15 REGULATORY INFORMATION

EU / REACH / CLP	Subject to REACH registration requirements where applicable. Classified and labelled according to GHS/CLP classification listed in Section 2. Observe all REACH and CLP obligations.
OSHA (USA)	Prepared in OSHA HCS/HazCom 2012 aligned 16-section SDS format. Verify TSCA inventory/SNUR status before US import or distribution.
India	Observe applicable Indian MSIHC Rules, Factories Act (Schedule), Environment Protection Act, Hazardous Waste Rules, and relevant CPCB/SPCB guidelines. Product is acidic — confirm applicable storage and transport requirements under Indian regulations.
Other Jurisdictions	Canada: Classify/label under WHMIS 2015/HPR using Section 2 classification; Canadian sale may require bilingual SDS/label and ingredient disclosure. China: Use applicable GB/T SDS and classification requirements. Australia (AICS): Check inventory status before export or 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

- H318 — Causes serious eye damage