

SODIUM THIOSULPHATE

Industrial Grade | High Purity Chemical Specification & Commercial Data Sheet

CAS: 7772-98-7

HS Code: 28323010

EINECS: 231-867-5

Purity: 95%

FORMULA

Na₂S₂O₃

MOLECULAR WEIGHT

158.11 g/mol

MIN. ORDER QTY (MOQ)

100 Kilograms

MONTHLY SUPPLY

5000 Kg / Month



SODIUM THIOSULPHATE CRYSTALS

About Sodium Thiosulphate

Experience the prodigious value of **Sodium Thiosulphate** (also commonly known as Sodium Hyposulphite or "Hypo"), a premium white crystalline inorganic salt offering exceptional moisture resistance and stable shelf-life. With a verified **95% purity**, this fine, small crystalline powder dissolves freely in water, making it a towering choice for water treatment dechlorination, photography, and diverse industrial applications.

Supplied in sturdy HDPE bags, its chemical integrity is rigorously secured for optimal industrial performance. Odorless and non-toxic under recommended handling practices, Sodium Thiosulphate provides steadfast reliability and consistent operational value across manufacturing sectors.

TECHNICAL & CHEMICAL SPECIFICATIONS

Chemical Name	Sodium Thiosulphate	Physical Form / Shape	Crystalline / Powder / Granular
Other Names	Sodium hyposulphite ("Hypo")	Color & Appearance	White / White granular crystals
Molecular Formula	Na ₂ S ₂ O ₃	Crystal Size	Fine, small needle-like crystals
Molecular Weight	158.11 g/mol	Smell & Taste	Odorless / Saline taste
CAS Registry No.	7772-98-7	Aqueous Solubility	Freely Soluble in Water
EINECS Number	231-867-5	Density	1.667 g/cm ³
HS Code	28323010	pH Level (Sol.)	6.0 to 8.0
Classification	Inorganic Chemical / Salt	Melting Point	48.5 °C (pentahydrate)
Chemical Purity	95.0% Min.	Boiling Point	Decomposes before boiling
Product Grade	Industrial Grade	Refractive Rate	1.489 (pentahydrate)

COMMERCIAL & TRADE INFORMATION

Minimum Order Quantity (MOQ)	100 Kilograms	Supply Ability	5000 Kilograms Per Month
Payment Terms	Cash in Advance (CID)	Standard Delivery Time	7 Days from Order Confirmation
Standard Packaging	Moisture-Resistant HDPE Bags	Main Domestic Market	All India Supply Network
Storage Conditions	Store in a cool, dry, well-ventilated area	Shelf Life & Stability	Stable if dry; protect from moisture

ADVANTAGES, INDUSTRIAL APPLICATIONS & SUPPLY REACH

Advantages and Applications

Sodium Thiosulphate provides rapid aqueous solubility and high stability when kept in cool, dry conditions. Its fine, white granular crystals are easy to meter, handle, and dissolve without leaving insoluble residue.

- **Water Treatment:** Rapidly neutralizes chlorine and chloramines in municipal, aquaculture, and wastewater systems.
- **Photographic Processing:** Acts as a classic fixing agent to dissolve unexposed silver halide salts.
- **Chemical Processing:** Serves as a versatile reducing agent and analytical titration standard.

Supply, Samples & Logistics

Our Sodium Thiosulphate is ready for prompt dispatch across India. Backed by a dependable domestic supply chain, orders are shipped swiftly to meet critical manufacturing and processing schedules.

- **Bulk Quoting:** Competitive tiered pricing tailored for recurring and high-volume industrial clients.
- **Sample Policy:** Quality testing samples available upon request prior to full purchase.
- **Protective Packaging:** Secure HDPE bags safeguard crystal integrity against humidity.

HANDLING, SAFETY & STORAGE GUIDELINES

Storage Best Practices

- Store in tightly closed original containers in a cool, dry, well-ventilated warehouse.
- Keep away from direct heat sources, acids, and strong oxidizing agents to prevent sulfur dioxide evolution.
- Maintain low relative humidity to prevent caking and ensure fine crystalline flow.

Safety & Operational Notes

- Non-toxic under standard handling; observe standard industrial PPE (gloves, safety eyewear).
- Dissolve directly in ambient or warm process water under gentle agitation.
- Stable indefinitely under dry conditions; non-flammable and odorless.

FREQUENTLY ASKED QUESTIONS (FAQS)

Q1: How should Sodium Thiosulphate be applied in industrial processes?

A: Dissolve the required amount in water according to process recipes. Its fine granular crystals allow rapid dissolution for easy incorporation into water treatment or photographic fixers.

Q2: What are the main advantages of using Sodium Thiosulphate?

A: Highly soluble, non-toxic, odorless, and stable when dry. Its verified 95% purity and good moisture resistance ensure dependable, reproducible results in industrial applications.

Q3: When is the best time to purchase Sodium Thiosulphate?

A: For optimal availability and pricing, purchase during current limited-time offers to guarantee timely logistics fulfillment for ongoing production schedules.

Q4: Where is Sodium Thiosulphate suitable for use?

A: Best suited for water treatment dechlorination, photographic fixing, gold extraction, textile bleaching neutralization, and laboratory titrations.

Q5: What is the recommended storage procedure?

A: Store in a cool, dry place protected from ambient moisture and incompatible acids. Sturdy HDPE bags provide excellent protection during transit and storage.

Q6: What supply capacity and payment terms are supported?

A: Supported by a monthly supply ability of 5,000 kg with flexible commercial terms, including Cash in Advance (CID) and prompt 7-day domestic delivery.

Ready to Order or Need a Customized Bulk Quote?

MOQ: 100 Kg | Supply Capacity: 5,000 Kg/Month | Standard Packaging: HDPE Bags | Pan-India Delivery

GET A QUOTE