



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SODIUM THIOSULPHATE, PENTAHYDRATE CAS Number: 10102-17-7**1. IDENTIFICATION:**

Product Code : 90566, 90253, 91416, 91180

Company Name : ADVENT CHEMBIO PRIVATE LIMITED

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2. HAZARDS IDENTIFICATION:**Hazard classification**

Health hazards : Not a hazardous substance or mixture.

Labels elements

Hazard symbol : No hazard pictogram, no signal word, no hazard statement, no precautionary statement required.

Signal word : Not a hazardous substance or mixture.

Hazard statement : Not a hazardous substance or mixture.

Precautionary statement

Prevention : Do not handle until all safety precautions have been read and understood.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
No smoking.
Keep container tightly closed.

Response : IF exposed or concerned: Get medical advice/ attention.
IF ON SKIN (or hair): Rinse skin with water/ shower.
IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Storage : Store in a dry & well-ventilated place. Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Disposal : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.



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3. COMPOSITION/ INFORMATION ON INGRADIENTS:

Ingredient	CAS Number	Percent	Hazardous
Sodium Thiosulphate, Pentahydrate	10102-17-7	NLT 99.0%	No

4. FIRST AID MEASURES:

General information	: Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
Ingestion	: Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Inhalation	: Move to fresh air. Get medical attention if symptoms persist.
Skin contact	: Flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
Eye contact	: Flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses.
Most important symptoms/effects, acute and delayed	: The most important known symptoms and effects are described in the labelling.
Indication of immediate medical attention and special treatment needed	: No data available

5. FIRE FIGHTING MEASURES:**General information****Suitable (and unsuitable) extinguishing media**

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards arising from the chemical	: Sulfur oxides, Sodium oxides, Not combustible. Fire may cause evolution of: Sulfur oxides Ambient fire may liberate hazardous vapours.
Special protective equipment and precautions for firefighters	
Special firefighting procedures	: Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Special protective equipment for fire-fighters	: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures	: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing mists or vapors. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
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Methods and material for containment and cleaning up	:	Use only non-sparking tools. Take precautionary measures against static discharges. Stop leak if possible without any risk. Clean surface thoroughly to remove residual contamination.
Notification Procedures	:	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental precautions	:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE:

Precautions for safe handling	:	Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Use only non-sparking tools. Wear protective gloves/protective clothing/eye protection/ face protection. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Use only with adequate ventilation. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a dry, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

8. EXPOSURE CONTROLS PERSONAL PROTECTION:

Appropriate engineering controls

: No data available

Individual protection measures, such as personal protective equipment

General information	:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.
Eye/face protection	:	Wear safety glasses with side shields (or goggles).
Hand protection	:	Chemical resistant gloves.
Other	:	Wear suitable protective clothing.
Respiratory protection	:	In case of inadequate ventilation use suitable respirator. Chemical respirator with organic vapor cartridge. Recommended Filter type: Filter type P1
Hygiene measures	:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower. Avoid contact with eyes, skin, and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	:	Colourless crystals
Odor	:	Odorless
Solubility	:	Very soluble in water, practically insoluble in ethanol 96 per cent. It dissolves in its water of crystallisation at about 49 °C.



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Formula	: $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$
Molecular Weight	: 248.18 g/mol
Specific Gravity	: 1.74 g/cm ³ at 20°C
pH	: 5.5 – 8.4
% Volatiles by volume @ 21C (70F)	: No data available
Boiling Point	: No data available
Melting Point	: No data available
Flash Point	: No data available
Vapor Density (Air=1)	: No data available
Vapor Pressure (mm Hg)	: No data available
Evaporation Rate (BuAc=1)	: No data available

10. STABILITY AND REACTIVITY:

Reactivity	: No data available
Chemical stability	: Material is stable under ambient conditions..
Possibility of hazardous reactions	: Risk of explosion with: nitrates, nitrites, peroxi compounds, Strong oxidizing agents Violent reactions possible with: Fluorine acids
Conditions to avoid	: No data available
Incompatible materials	: No data available
Hazardous decomposition products	: In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product	: No data available
Dermal Product	: LD 50 (Rat): 2.500 mg/kg
Inhalation Product	: No data available
Repeated dose toxicity Product	: No data available.
Skin corrosion/irritation Product	: No data available.
Serious eye damage/eye irritation Product	: No data available.



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Respiratory or skin sensitization Product : No data available.
Carcinogenicity Product : No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans : No data available.

US. National Toxicology Program (NTP) Report on Carcinogens : No data available.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 : No data available.

Germ cell mutagenicity : No data available.

Reproductive toxicity Product : No data available.

Specific target organ toxicity - single exposure Product : No data available.

Specific target organ toxicity - repeated exposure Product : No data available.

Aspiration hazard Product : No data available.

Other effects : No data available.

12. ECOLOGICAL INFORMATION:**Ecotoxicity****Acute hazards to the aquatic environment**

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Chronic hazards to the aquatic environment

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Toxicity to Aquatic Plants Product: : No data available.

Persistence and degradability

Biodegradation Product : No data available.

BOD/COD ratio Product : No data available.



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PRODUCT NAME: SODIUM THIOSULPHATE, PENTAHYDRATE CAS Number: 10102-17-7**Bioaccumulative potential****Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.**Partition coefficient n-octanol / water (log Kow) Product** : No data available.**Mobility in soil** : No data available.**Other adverse effects** : No data available.**13. DISPOSAL CONSIDERATION:****Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws. Disposal recommendations are based on uncontaminated material.**Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.**14. TRANSPORT INFORMATION:**

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
ADR/RID	NA	Sodium Thiosulphate, Pentahydrate		Not dangerous goods	
IMDG	NA	Sodium Thiosulphate, Pentahydrate		Not dangerous goods	
IATA	NA	Sodium Thiosulphate, Pentahydrate		Not dangerous goods	

15. REGULATORY INFORMATION:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture

No Data Available.

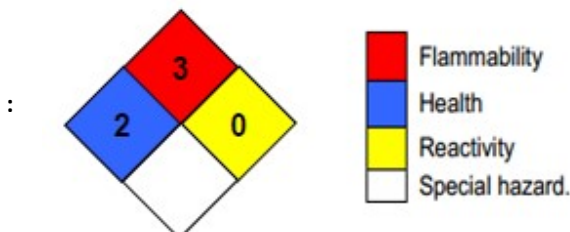
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16. OTHER INFORMATION:

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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