

SAFETY DATA SHEET

SODIUM THIOSULPHATE PENTAHYDRATE (Chlorine reducer)

mstu300

1. Identification of the substance/preparation and of the company/undertaking

| | | | |
|--|--|-----------------------|--|
| Product name | : SODIUM THIOSULPHATE PENTAHYDRATE (Chlorine reducer) | Supplier | : Intra-Laboratories Ltd Unit 8, Devonshire Meadows Plymouth Devon PL6 7EZ |
| Chemical product name | : SODIUM THIOSULPHATE PENTAHYDRATE | | |
| Synonyms | : SODIUM THIOSULPHATE PENTAHYDRATE HYPO. | | |
| EMERGENCY ONLY TELEPHONE NUMBER | : (N.C.E.C. CULHAM) 01865 407333 | Telephone No. | : 01752 724109 |
| Formula | : Na ₂ S ₂ O ₃ .5H ₂ O | Molecular Mass | : 248.18 |

2. Composition/information on ingredients

Substance/Preparation : Substance

| Chemical name* | CAS No. | % | EC Number | Symbol | R-Phrases |
|-------------------------------------|------------|-----|-----------|--------|-----------|
| 1) SODIUM THIOSULPHATE PENTAHYDRATE | 10102-17-7 | >99 | 231-867-5 | - | - |

* Occupational Exposure Limit(s), if available, are listed in Section 8

| | |
|----------------------|---|
| Composition | CONTAINS 99% (MIN) SODIUM THIOSULPHATE PENTAHYDRATE. TWO GRADES ARE AVAILABLE : P GRADE FOR PHOTOGRAPHIC USE AND T GRADE FOR OTHER USES IN INDUSTRY - SEE USES. |
| CAS No. | 10102-17-7 |
| EINECS Number | 231-867-5 |

3. Hazards identification

Human health hazards : Not classified as hazardous.

4. First-aid measures

First-Aid measures

| | |
|---------------------|--|
| Inhalation | : Remove from exposure. Remove from exposure. |
| Ingestion | : Wash out mouth with water. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention. |
| Skin contact | : Wash skin with water. Immediately flood the skin with large quantities of water, preferably under a shower. Obtain medical attention if blistering occurs or redness persists. Remove contaminated clothing as washing proceeds. |
| Eye Contact | : Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. |

5. Fire-fighting measures

Extinguishing Media

Suitable : Select extinguishing agent appropriate for other materials in fire.

Unusual fire/explosion Hazards : Hazardous Combustion Products : SULPHUR DIOXIDE

This product may give rise to hazardous fumes in a fire.

Hazardous thermal (de)composition products : Sulphur dioxide gas, hydrogen sulphide gas and sodium sulphide residue.

Special fire-fighting procedures : Fire fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Protection of fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

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6. Accidental release measures

- Personal Precautions** : Wear appropriate protective clothing. Wear respiratory protection.
- Environmental precautions and cleanup methods** : Small spillages may be flushed with large quantities of water. Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.
: Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.

7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Emergency shower and eye wash facilities should be readily available. Keep containers sealed to prevent air contact. Use in well ventilated area.
- Storage** : Storage area should be: cool, dry, under cover, well ventilated. The product is available in polyethylene sprayed multiply paper bags or polyethylene lined fiber kegs. Avoid storing sacks in a large stack to prevent the product from caking.
- Packaging materials**
- Recommended use** : Use original container.

8. Exposure controls/personal protection

- Engineering measures** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below the ir respective threshold limit value. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures** : Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Workplace Exposure Limits** : Not available.
- Personal protective equipment**
- Respiratory system** : Wear: Dust respirator if conditions are dusty.
- Skin and body** : Overalls or Lab coat.
- Hands** : Gloves.
- Eyes** : Safety glasses.

9. Physical and chemical properties

- Physical state** : Crystals.
- Colour** : Clear.
- Odour** : Odorless.
- Boiling point** : Decomposes
- Melting point** : 48
- Density** : SG: 1.685
- Solubility** : 52g/100ml
- pH** : 7 (10% solution)
- Flash point** : Not available.

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Exposure to water or moisture
- Materials to avoid** : Strong oxidizers, acids
- Hazardous decomposition products** : Sulphur dioxide gas, hydrogen sulphide gas and sodium sulphide residue.

11. Toxicological information

- Local effects**
- Acute toxicity** : LD50: Not available.
LC50: Not available.

12. Ecological information

- Ecotoxicity** : Practically non-toxic to aquatic organisms.

13. Disposal considerations

Methods of disposal ; Waste of residues ; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Classification : Not applicable.

14. Transport information

[International transport regulations](#)

15. Regulatory information

[EU Regulations](#)

Risk Phrases : This product is not classified according to the EU regulations.

Product Use : Classification and labelling have been performed according to EU directives 67/548/EEC, 88/379/EEC, including amendments and the intended use.
- Consumer applications.

16. Other information

[HISTORY](#)

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[Notice to Reader](#)

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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