

## SAFETY DATA SHEET

**1. Identification of the substance/preparation and of the company/undertaking****1.1 Product Identifier** Sodium thiosulphate pentahydrate

Trade Name: Bromine Reducer

CAS No: 7772-98-7

EC No: 231-867-5

**1.2 Relevant Identified uses of the substance or mixture and uses advised against**

Uses: At this time we do not yet have information on identified uses.

Restrictions: At this time we do not yet have information on identified restrictions.

**1.3 Details of the supplier of the safety data sheet**

Company: SCP UNITED KINGDOM  
1 Church Heath, Crawley  
West Sussex, RH11 0PQ  
UNITED KINGDOM

Telephone: +44 1293 546126

**1.4 Emergency Telephone**

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

**2. Hazard Identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulations

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product does not have to be labelled due to the calculation procedure of the 'General Classification guideline for preparations of the EU' in the latest version

**2.3 Other Hazards**

PBT: This product is not identified as a PBT/vPvB substance.

**3. Composition/information on ingredients****3.1 Substances**

Chemical nature: Solid Powder

Chemical Name	Identification Numbers	Amount %
Sodium Thiosulphate Anhydrous	CAS No: 7772-98-7	>98%
	EC No: 231-867-5	

#### **4. First Aid measures**

##### **4.1 Description of first aid measures**

General Advice:	Take off all contaminated clothing immediately
If inhaled:	Remove to fresh air
In case of 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.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Consult an eye specialist immediately. Go to a ophthalmic hospital if possible.
Ingestion:	Wash out mouth with water. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention.

##### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms:	Swallowing may have the following effects: drowsiness, nausea, vomiting and diarrhoea
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##### **4.3 Indication of immediate medical attention and special treatment needed**

Treatment	Treat symptomatically
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#### **5. Fire fighting measures**

##### **5.1 Extinguishing media:**

Suitable extinguishing media:	Use fire extinguishing methods suitable to surrounding conditions.
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Unsuitable extinguishing media:	Hazardous Combustion products: Sulphur Dioxide
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##### **5.2 Special hazards arising from the substance or mixture**

Specific Hazards during fire:	This product may give rise to hazardous fumes in fire Sulphur dioxide gas, hydrogen sulphide gas and sodium sulphide residue
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##### **5.3 Advice for fire-fighters**

Special protective equipment:	Wear self contained breathing apparatus (SCBA) and full turn out gear.
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Further Information:	Wear full protective clothing and self contained breathing apparatus.
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#### **6. Accidental release Measures**

##### **6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions:	Wear appropriate clothing. Wear respiratory protection
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##### **6.2 Environmental precautions**

Environmental precautions:	Advise authorities if spillage has entered water course or sewer or has contaminated soil or vegetation
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##### **6.3 Methods and materials for containment and cleaning up**

Clean-up procedures:	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.
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##### **6.4 Reference to other sections**

See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment  
See Section 13 for disposal information

**7. Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling:	Use in a well ventilated area. Avoid contact with eyes, skin and clothing. Avoid inhaling dust.
Hygiene measures:	Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feed stuffs. When using do not eat and drink.

**7.2 Conditions for safe storage, including any incompatibilities.**

Requirements for storage areas and containers:	Storage area should be cool, under cover, dry, well ventilated and away from incompatible materials.
Advice on protection against fire and explosion:	Store away from sources of heat or ignition. Keep containers closed to prevent ingress of moisture.
Further Information:	The product is available in polythene sprayed multiply paper bags or polythene lined fibre kegs. Avoid storing sacks in a large stack to prevent the product from caking.

**7.3 Specific end uses**

Specific use(s)	Currently we do not have any information from our supplier about this.
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**8. Exposure control/personal protection****8.1 Control parameters**

**Workplace exposure limits:** No data available.

**DNEL / PNEC values:** No data available.

**8.2 Exposure controls****Engineering measures**

Refer to protective measures listed in sections 7 and 8

**Personal protective equipment**

Respiratory protection      Dust respirator

Hand protection              Impervious gloves

Eye protection                Wear safety glasses approved to standard EN 166. Provide eye station

Skin and body protection    Wear dust proof overall with hood, rubber boots

**Environmental exposure controls**

General advice:                Dispose of in accordance with all applicable local and national regulations,

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form:	Solid Powder
Colour:	Milky White
Odour:	Odourless
pH @ 20°C:	8.6 (7.5% solution)
Boiling point:	Decomposes
Density @ 20°C:	SG: 1.667
Water solubility:	33g / 100ml

**9.2 Other Information**

No further information available

## 10. Stability and reactivity

### 10.1 Reactivity

Advice: No information available

### 10.2 Chemical stability

Advice: No decomposition if stored and applied as directed

### 10.3 Possibility of hazardous reactions

Hazardous reactions: None reasonably foreseeable

### 10.4 Conditions to avoid

Conditions to avoid Exposure to water or moisture

### 10.5 Incompatible materials

Materials to avoid Strong oxidisers. Acids

### 10.6 Hazardous decomposition products

Hazardous decomposition products: Sulphur dioxide gas, hydrogen sulphide gas and sodium sulphide residue.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute toxicity :** LD50 : Not available  
LC50 : Not available

## 12. Ecological Information

### 12.1 Toxicity

Ecotoxicity : Practically non- toxic to aquatic organisms.

### 12.2 Persistence and degradability

Persistence and degradability No data available

### 12.3 Bioaccumulative potential

Bioaccumulative potential No data available

### 12.4 Mobility in soil

Mobility No data available

### 12.5 PBT and PvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

### 12.6 Other adverse effects

Other adverse effects: No data available

## 13. Disposal Considerations

### 13.1 Waste treatment methods

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**14. Transport Information**

<b>14.1 UN Number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packaging Group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	Not applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**

This product is not classified according to the EU regulations

**15.2 Chemical Safety Assessment**

Currently we do not have any information from our supplier about this.

**16. Other information**

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

**Rev 3**

■ Indicates updated section