

# SAFETY DATA SHEET

SODIUM THIOSULPHATE

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Compilation date: 31/05/2016

Revision No: 1

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** SODIUM THIOSULPHATE

**CAS number:** 7772-98-7

**EINECS number:** 231-867-5

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Central Chemical Supplies Ltd

44 Hall Road

Donaghcloney

Co Armagh

BT66 7LJ

United Kingdom

**Tel:** 02838 881936

**Email:** [frances@ccsni.co.uk](mailto:frances@ccsni.co.uk)

### 1.4. Emergency telephone number

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** This product has no classification under CLP.

### 2.2. Label elements

**Label elements:** This product has no label elements.

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** SODIUM THIOSULPHATE

**CAS number:** 7772-98-7

**EINECS number:** 231-867-5

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Get medical attention if irritation persists after washing.

[cont...]

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**Eye contact:** Remove contact lenses, if present and easy to do. Bathe the eye with running water for 15 minutes. Get medical Attention promptly if symptoms occur after washing.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Get medical attention if symptoms continue.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Supply fresh air. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** May cause severe discomfort if swallowed.

**Inhalation:** Dust in high concentrations may irritate the respiratory system.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Treat symptomatically. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. The product is not flammable.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Gives off irritating or toxic fumes (or gases) in a fire. Sulphurous gases (SO<sub>x</sub>) Hydrogen Sulphide

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Do not create dust. Wear suitable protective clothing. Avoid breathing dust.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Avoid generation and spreading of dust. Transfer to a suitable container. Wash the spillage site with large amounts of water.

[cont...]

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## 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid spilling, skin and eye contact. Avoid the formation or spread of dust in the air.  
Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in a cool, well ventilated area.  
**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

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

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.  
**Respiratory protection:** Not normally required under normal conditions of use. If ventilation is insufficient, suitable respiratory protection must be provided.  
**Hand protection:** Protective gloves.  
**Eye protection:** Safety goggles.  
**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Crystals  
**Colour:** White  
**Odour:** Odourless  
**Solubility in water:** Soluble  
**Melting point/range°C:** 120  
**pH:** 6.5-9.5  
**Relative density:** 1.68

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

[cont...]

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### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

**Conditions to avoid:** Water. Moist air. High temperatures

### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** When heated and in case of fire, may release irritating vapours / gases. Hydrogen sulphide. Sulphur Oxides (SO<sub>x</sub>) Sodium Oxides

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>2000	mg/kg
DERMAL	RBT	LD50	>2000	mg/kg
DUST/MIST	RAT	4H LC50	>2.6	mg/l

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** May cause severe discomfort if swallowed.

**Inhalation:** Dust in high concentrations may irritate the respiratory system.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
BLUEGILL ( <i>Lepomis macrochirus</i> )	96H LC50	510	mg/l
Daphnia magna	48H EC50	230	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Not biodegradable.

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## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Not applicable.

## 12.4. Mobility in soil

**Mobility:** Soluble in water.

## 12.5. Results of PBT and vPvB assessment

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

## 12.6. Other adverse effects

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Must be disposed of in accordance with local and national regulations.

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

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.