

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

1.1 Product Identifier Sodium thiosulphate pentahydrate

Trade Name: Chlorine 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 uses.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081
Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not applicable

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

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 off immediately with soap and plenty of water. If irritation persists call a doctor.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes.
If swallowed:	Rinse mouth with water and then drink plenty of water. If symptoms persist call a doctor

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Swallowing may have the following effects: drowsiness, nausea, vomiting and diarrhoea
Effects:	No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment	Treat symptomatically
Effects:	No further information available

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:	Use fire extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing media:	Hazardous Combustion products: Sulphur Dioxide

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.
Further Information:	Wear full protective clothing and self contained breathing apparatus.

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

Methods and materials for containment and cleaning up:	Sweep up into suitable containers for recovery or disposal. Avoid creating dust
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6.4 Reference to other sections

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.

German storage class: Currently we do not have any information from our supplier about this.

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

7.3 Specific end uses

Specific use(s) Currently we do not have any information from our supplier about this.

8. Exposure control/personal protection

8.1 Control parameters

Component: Sodium Thiosulphate Anhydrous

CAS No: 7772-98-7

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8

Personal protective equipment

Respiratory protection

Advice: Dust respirator

Hand protection

Advice: Impervious gloves

Glove thickness: Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection

Advice: Chemical goggles

Skin and body protection

Advice: 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
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	8.6 (7.5% solution)
Freezing point:	Currently we do not have any information from our supplier about this.
Boiling point:	Decomposes
Flash point:	Currently we do not have any information from our supplier about this.
Evaporation rate:	Currently we do not have any information from our supplier about this.
Flammability (solid, gas)	Currently we do not have any information from our supplier about this.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	Currently we do not have any information from our supplier about this.
Vapour pressure:	Currently we do not have any information from our supplier about this.
Relative vapour density:	Currently we do not have any information from our supplier about this.
Density @ 20°C:	SG: 1.667
Water solubility:	33g / 100ml
Ignition temperature:	Currently we do not have any information from our supplier about this.
Thermal decomposition:	Currently we do not have any information from our supplier about this.
Oxidising properties:	Currently we do not have any information from our supplier about this.

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**

Product: Sodium Thiosulphate Anhydrous

CAS No: 7772-98-7

Acute toxicity

Low order of acute toxicity

Trade Name: Chlorine Reducer - Sodium Thiosulphate

12. Ecological Information

12.1 Toxicity

Component: Sodium Thiosulphate Anhydrous

CAS No:

The product is expected to be no worse than practically non-toxic to aquatic species

13. Disposal Considerations

13.1 Waste treatment methods

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

Contaminated packaging: Dispose of in accordance with all applicable local and national regulations,

European Waste Catalogue No: Not applicable

14. Transport Information

14.1 UN Number Not applicable

14.2 UN proper shipping name Not applicable

14.3 Transport hazard class(es) Not applicable

14.4 Packaging Group Not applicable

14.5 Environmental hazards Not applicable

14.6 Special precautions for user Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code 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

Full text of R-phrases referred to under sections 2 and 3

R36/38 Irritating to eyes and skin

Full text of H-statements referred to under sections 2 and 3

H315 Causes skin irritation

H319 Causes serious eye irritation

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16. Other information

• Abbreviations and acronyms:

ADR:	Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the Americal Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Revision	Date	By	Amendment
1	18/10/10	Linda Brueford	GHS label elements added and other minor editorial amendments
2	11/01/11	Linda Brueford	Updated to latest version and minor editorial amendments