



SAFETY DATA SHEET

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name: **Dechlorinator**
 Datasheet Number: SP242 1. 0. 0
 Product Part Number: SP242
 Chemical Name: Sodium thiosulphate
 CAS No.: 7772-98-7

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd
 Address of Supplier: Unit 1, Pool Bank Business Park
 High Street, Tarvin
 Chester CH3 8JH
 UK
 Telephone: +44 (0)1829 740290
 Fax: +44 (0)1829 741855
 Responsible Person: Steve Carder
 Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Classification (67/548/EEC, 1999/45/EC)
- Not classified as hazardous for supply

2.2 Label elements

2.3 Other hazards

- Mildly irritating to skin and eyes
-

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases	Symbols	Index No.
sodium thiosulphate	25%	7772-98-7	231-867-5			
water	75%	7732-18-5				



4 First aid measures

4.1 Description of first aid measures

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Get medical advice/attention.
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

- Mildly irritating to skin and eyes
- The ingestion of significant quantities may cause nausea/vomiting

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically

5 Fire-fighting measures

5.1 Extinguishing media

- This product is not flammable
- In case of fire: use water, carbon dioxide or dry agent for extinction

5.2 Special hazards arising from the substance or mixture

- See Section 10.6
- Gives off irritating or toxic fumes (or gases) in a fire.

5.3 Advice for firefighters

- Use water to cool containers exposed to fire.
- Wear protective clothing as per section 8
- Wear Breathing Apparatus

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Wash thoroughly after dealing with spillage

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Do not absorb spillage in sawdust or other combustible material
- Remove by mechanical means
- Place in appropriate container

6.4 Reference to other sections

- See Section 7 & 8



7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with acid

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool.
- Store in a dry place.
- Avoid contact with acid

7.3 Specific end use(s)

- No information available.

8 Exposure controls/personal protection

8.1 Control parameters

sodium thiosulphate

- No exposure limits have been set for this substance

8.2 Exposure controls

- No special ventilation is required unless the product is used in a spray form

Occupational exposure controls

- Wear suitable protective clothing, including eye/face protection and gloves (plastic or rubber are recommended)
- No respiratory protection is required



Goggles



Gloves



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: clear, colourless, solution
- pH 7-8 at 10 % concentration
- Boiling point 100 °C
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point - not known
- Completely soluble in water
- Specific gravity 1.01-1.14 g/cm³
- Not flammable
- Reducing agent
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - not known
- Viscosity - not applicable



9 Physical and chemical properties (....)

9 .2 Other information

- No information available

10 Stability and reactivity

10 .1 Reactivity

- Reducing agent

10 .2 Chemical stability

- No information available

10 .3 Possibility of hazardous reactions

- Incompatible with acid

10 .4 Conditions to avoid

- Avoid contact with acids and alkalis
- Avoid contact with oxidising substances

10 .5 Incompatible materials

- Contact with acids and alkalis may form toxic gases
- Incompatible with oxidizing substances

10 .6 Hazardous Decomposition Products

- Decomposition products may include sulphur oxides
- Decomposition products may include toxic and irritant fumes

11 Toxicological information

11 .1 Information on toxicological effects

- LD50 (oral, rat) >2000 mg/kg

Inhalation

- Not hazardous

Contact with skin

- May cause redness and irritation

Contact with eyes

- May cause redness and irritation

Ingestion

- May cause nausea/vomiting
- The ingestion of significant quantities may cause gastro-intestinal disturbances

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No information available



11 Toxicological information (....)

Mutagenicity

- No information available

12 Ecological information

12 .1 Toxicity

- No information available

12 .2 Persistence and degradability

- Biodegradable

12 .3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12 .4 Mobility in soil

- Large volumes may penetrate soil and contaminate groundwater

12 .5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12 .6 Other Adverse Effects

- No information available

13 Disposal considerations

13 .1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- This material and/or its container must be disposed of as hazardous waste

Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)

14 Transport information

14.1 UN Number

14.2 UN Proper Shipping Name

Not hazardous

14.3 Transport hazard class(es)

14.4 Packing group

14 .5 Environmental hazards

- Presents little or no hazard to the environment



14 Transport information (....)

14 .6 Special precautions for user

- See Section 7

14 .7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	Not hazardous	ADR UN No.:
ADR Hazard Class:		ADR Packing Group:
Tunnel Code:		

Sea (IMDG)

Proper Shipping Name:	Not hazardous	IMDG UN No.:
IMDG Hazard Class.:		IMDG Pack Group.:

Air (ICAO/IATA)

Proper Shipping Name:	Not hazardous	ICAO Un No.:
ICAO Hazard Class.:		ICAO Packing Group.:

15 Regulatory information

15 .1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Refer to current CPL Regulations
- Refer to current EC Directive 82/501/EEC (the Seveso Directive)
- The List of Wastes (England) Regulations 2005 apply in the UK
- Not hazardous according to current ADR Regulations

15 .2 Chemical Safety Assessment

16 Other information

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.