

SAFETY DATA SHEET



Product Name:

CHLORINE REDUCER

SDS Reference **055**

Version No. 1

Revision No.

Authorisation date November 28th, 2003

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name CHLORINE REDUCER
Use(s) Reduction of chlorine levels in swimming pools
Company Identification PLASTICA LTD
Perimeter House,
Napier Road, Telephone +44 (0) 1424 857857
St Leonards-on-Sea, East Sussex, TN38 9NY
Emergency Telephone 09062 655005 (24hr)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation AN AQUEOUS PREPARATION CONTAINING SODIUM THIOSULPHATE
CAS number 7772-98-7 (sodium thiosulphate)
EINECS number 231-867-5 (sodium thiosulphate)
EC Index number

3. HAZARDS IDENTIFICATION

Physical & Chemical:

Health:

Environmental:

ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO HEALTH IF HANDLED IN THE CORRECT MANNER.

ACCORDING TO EXPERIENCE, THE PRODUCT IS CONSIDERED TO BE HARMLESS TO THE ENVIRONMENT IF HANDLED IN THE CORRECT MANNER.

4. FIRST AID MEASURES

General information

Inhalation No special first aid measures necessary.
Skin contact No special first aid measures necessary.
Eye contact Wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
Ingestion Rinse mouth. Allow the patient to vomit on his own accord.

5. FIRE FIGHTING MEASURES

General hazard THE PRODUCT WILL NOT BURN
Extinguishing media To suit local surroundings (e.g. water spray, dry chemical powder, foam, CO₂)
Extinguishing media not to be used
Special exposure hazards The thermal decomposition products released should be considered toxic if inhaled.
Protective equipment Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	Adhere to personal protective measures. Take up with absorbent material, e.g. sand, sawdust into tightly closed containers. Label container and dispose of as prescribed.
Environmental considerations	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

7. HANDLING & STORAGE

Advice on safe handling	Handle in accordance with good hygiene and safety practice.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values available. <u>LTEL (8 hour TWA):</u> ppm mg/m ³ <u>LTEL (8 hour TWA):</u> ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area
Personal protection	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below)
Eye protection	<u>Safety goggles</u> Safety goggles
Skin protection	Gloves (<u>also consider your own risk assessment</u> ; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Dust mask if ventilation is insufficient.
Other protection	Protective overall.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Colourless
Odour	Odourless
pH	Approx. 7.0
Boiling pt / range	From 100 °C
Melting pt / range	Not determined. °C
Flash point	Not applicable °C
Density	1.0 g/cm ³
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Vapour pressure	
Water solubility	Miscible

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10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	High temperatures
Material to avoid	The product is incompatible with easily oxidisable materials, inorganic reducing agents.
Hazardous reactions	Hazardous polymerisation will not occur
Hazardous decomposition products	Not determined.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	mg/kg	No data available.
Dermal compatibility	Slightly irritating (not requiring labelling)		
Mucous membrane compatibility	Slightly irritating to eyes (not requiring labelling)		
Further information	The product is not listed as a carcinogen (EPA, NTP, IARC)		

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish	mg/l	No data available. No data available
Degradability	No data available			
Further information				

13. DISPOSAL CONSIDERATIONS

Advice on disposal	In accordance with national and local authority regulations, e.g. controlled waste
Contaminated packaging	Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.

14. TRANSPORT INFORMATION

United Nations number	The product is not classified for transport.
Packaging group	
IMDG code	
RID / ADR	
ICAO / IATA	
Marine pollutant	The product should not be marked as a marine pollutant
Proper shipping name	

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15. REGULATORY INFORMATION

Classification & labelling In accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations, [CHIP 3.1], the product is not classified.

Risk phrases

Safety phrases

16. OTHER INFORMATION

Further information

Sources of data Other suppliers' safety data sheets

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This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

Data sheet prepared by Rising HS&E Services.