

# SAFETY DATA SHEET



<b>Product Name:</b>	<b>CHLORINE REDUCER</b>	<b>SDS Reference</b>	<b>055</b>
<b>Version No.</b>	1	<b>Revision No.</b>	
		<b>Authorisation date</b>	November 28 <sup>th</sup> , 2006

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

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

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

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

## 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

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

## 5. FIRE FIGHTING MEASURES

<b>General hazard</b>	THE PRODUCT WILL NOT BURN
<b>Extinguishing media</b>	To suit local surroundings (e.g. water spray, dry chemical powder, foam, CO <sub>2</sub> )
<b>Extinguishing media not to be used</b>	
<b>Special exposure hazards</b>	The thermal decomposition products released should be considered toxic if inhaled.
<b>Protective equipment</b>	Wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Methods for cleaning up</b>	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.
<b>Environmental considerations</b>	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.

**7. HANDLING & STORAGE**

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

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

**9. PHYSICAL & CHEMICAL PROPERTIES**

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

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## 10. STABILITY & REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

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

## 12. ECOLOGICAL INFORMATION

<b>Acute toxicity</b>	LC <sub>50</sub>	Fish	mg/l	No data available.
<b>Degradability</b>	No data available			
<b>Further information</b>				

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

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

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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

**Date of issue** 05-05-2006

**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.**