

# SAFETY DATA SHEET



<b>Product Name:</b>	<b>RELAX ALGICIDE</b>	<b>SDS Reference</b> 034
<b>Version No.</b> 1	<b>Revision date</b>	<b>Authorisation date</b> November 27 <sup>th</sup> 2006

## 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

<b>Product Name</b>	RELAX ALGICIDE
<b>Use(s)</b>	Used as a sanitiser in swimming pools
<b>Company Identification</b>	<b>PLASTICA LTD</b> Premier House, Napier Road, St Leonards-on-Sea, East Sussex, TN38 9NY Telephone +44 (0) 1424 857857
<b>Emergency Telephone</b>	09062 655005 (24hr) – (Charged at £1 per minute)
<b>Email Address</b>	info@plasticapools.com

## 3. HAZARDS IDENTIFICATION

### Physical & Chemical:



IRRITANT

**Health:** IRRITATING TO EYES AND SKIN

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

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Characterisation** AQUEOUS PREPARATION

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
DIOCTYLDIMETHYL AMMONIUM CHLORIDE	5538-94-3	226-901-0	C: R34	5-10%

## 4. FIRST AID MEASURES

### General information

<b>Inhalation</b>	Remove casualty to fresh air and provide warmth and rest. If necessary seek medical advice.
<b>Skin contact</b>	Immediately wash contaminated skin with large quantities of water. If necessary seek medical advice.
<b>Eye contact</b>	Immediately wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice (e.g. an ophthalmologist)
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water and if necessary seek medical advice. Beware of aspiration if vomiting does occur.

### Further information

**5. FIRE FIGHTING MEASURES**

<b>General hazard</b>	THE PRODUCT IS NOT FLAMMABLE
<b>Extinguishing media</b>	To suit local surroundings (e.g. foam, carbon dioxide, chemical powder)
<b>Extinguishing media not to be used</b>	
<b>Special exposure hazards</b>	The thermal decomposition products released (e.g. oxides of carbon, nitrogen, hydrogen chloride) should be considered toxic if inhaled.
<b>Protective equipment</b>	Wear self-contained breathing apparatus.
<b>Further information</b>	

**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 a suitable container. Label container and dispose of as prescribed.
<b>Environmental considerations</b>	Do not allow the product to enter ground or waste water. If this occurs, inform the local water authority at once.
<b>Further information</b>	

**7. HANDLING & STORAGE**

<b>Advice on safe handling</b>	Handle in accordance with good hygiene and safety practice. Keep away from incompatible substances.
<b>Storage conditions</b>	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool not < 5°C) and dry.
<b>Further information</b>	

**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>
<b>Engineering controls</b>	Ensure adequate ventilation of working area (e.g. local exhaust ventilation).
<b>Personal protection</b>	Observe normal standards for handling chemicals. Avoid eye and skin contact. 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>	Rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
<b>Respiratory protection</b>	Respirator (if ventilation is insufficient)
<b>Other protection</b>	Protective overall, acid resistant boots.

**9. PHYSICAL & CHEMICAL PROPERTIES**

Physical form	Liquid
Colour	Colourless
Odour	Typical
pH	Not determined.
Boiling pt / range	Approx 100 °C
Melting pt / range	°C
Flash point	°C
Vapour pressure	
Density	Not determined.
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	Not determined
Water solubility	Miscible
Additional information	

**10. STABILITY & REACTIVITY**

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	Excessive cold and heat
Material to avoid	None known.
Hazardous reactions	Hazardous polymerisation will not occur.
Hazardous decomposition products	Nitrogen oxides. Amines and chlorine may be evolved on combustion.
Further information	

**11. TOXICOLOGICAL INFORMATION**

Acute toxicity	LD <sub>50</sub> rat (oral)	mg/kg	No data are available
Dermal compatibility	No data available		
Mucous membrane compatibility	No data are available		
Further information			

**12. ECOLOGICAL INFORMATION**

Acute toxicity	LC <sub>50</sub>	Fish	mg/l	No data are available
Degradability	The product is biodegraded			

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## 12. ECOLOGICAL INFORMATION

Further information

## 13. DISPOSAL CONSIDERATIONS

<b>Advice on disposal</b>	In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
<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>	Not classified for transport.
<b>Packaging group</b>	
<b>IMDG code</b>	
<b>RID / ADR</b>	
<b>Marine pollutant</b>	The product should not be marked as a marine pollutant.

## 15. REGULATORY INFORMATION

**Classification & labelling** The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 3.1]



**IRRITANT**

<b>Risk phrases</b>	R36/38	IRRITATING TO EYES AND SKIN
<b>Safety phrases</b>	S2	KEEP OUT OF THE REACH OF CHILDREN.
	S26	IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
	S46	IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

## 16. OTHER INFORMATION

**Further information** Risk phrases referred to in section 2

R34: Causes burns.

**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.

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**16. OTHER INFORMATION**