

SAFETY DATA SHEET



Product Name: **RELAX ALGICIDE**

SDS Reference **034**

Version No. 1

Revision date

Authorisation date November 27th 2006

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name RELAX ALGICIDE
Use(s) Used as a sanitiser in swimming pools
Company Identification **PLASTICA LTD**
Premier 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 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%

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.

4. FIRST AID MEASURES

General information

Inhalation Remove casualty to fresh air and provide warmth and rest. If necessary seek medical advice.
Skin contact Immediately wash contaminated skin with large quantities of water. If necessary seek medical advice.
Eye contact Immediately wash out eye thoroughly with plenty of water until irritation subsides. If irritation persists, seek medical advice (e.g. an ophthalmologist)
Ingestion 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

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

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up	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.
Environmental considerations	Do not allow the product to enter ground or waste water. If this occurs, inform the local water authority at once.
Further information	

7. HANDLING & STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values available. LTEL (8 hour TWA): ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area (e.g. local exhaust ventilation).
Personal protection	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)
Eye protection	Safety goggles
Skin protection	Rubber gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	Respirator (if ventilation is insufficient)
Other protection	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 ₅₀ 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 ₅₀	Fish	mg/l	No data are available
Degradability	The product is biodegraded			

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12. ECOLOGICAL INFORMATION

Further information

13. DISPOSAL CONSIDERATIONS

- Advice on disposal** In accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005.
- 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** Not classified for transport.
- Packaging group**
- IMDG code**
- RID / ADR**
- Marine pollutant** 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

- Risk phrases** R36/38 IRRITATING TO EYES AND SKIN
- Safety phrases** 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

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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.

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16. OTHER INFORMATION

Data sheet prepared by Rising HS&E Services.