

SAFETY DATA SHEET



Product Name: **FILTER AND CARTRIDGE
CONCENTRATED CLEANER**

SDS Reference 052

Version No. 1

Revision No.

Authorisation date March 19th, 2002

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name RELAX FILTER AND CARTRIDGE CLEANER
Use(s) For cleaning pool and spa filters and cartridges
Company Identification **PLASTICA LTD**
Perimeter House,
Napier Road, Telephone +44 (0) 1424 857857
St Leonards-on-Sea, East Sussex, TN38 9NY
Emergency Telephone 0845 6013142 (24hr)

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation WEAK AQUEOUS ALKALINE SOLUTION

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
SODIUM HYDROXIDE	1310-73-2	215-185-5	C: R35	0.5-2.0%
POTASSIUM HYDROXIDE **	1310-58-3	215-181-3	Xn: R22 C: R35	0.5-2.0%

** Present as an alternative to sodium hydroxide.

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 Clean areas of skin affected immediately with plenty of water. If necessary, seek medical advice.
Eye contact Immediately wash out eye thoroughly with plenty of water until irritation subsides. If necessary (e.g. irritation persists), consult an eye specialist/ophthalmologist.
Ingestion Allow the patient to vomit on his own accord. Give copious water to drink.
Further information

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5. FIRE FIGHTING MEASURES

General hazard	THE PRODUCT WILL NOT BURN
Extinguishing media	To suit local surroundings (e.g. water spray, foam, dry chemical powder)
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.
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; 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.
Further information	

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 and dry away from foodstuffs. Store in original containers.
Further information	Do not allow to come into contact with aluminium, zinc, magnesium or their alloys.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	There are no occupational exposure limit values appropriate to the product LTEL (8 hour TWA): ppm mg/m ³ STEL (15 min): ppm mg/m ³
Engineering controls	Ensure adequate ventilation of working area
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 or face shield (i.e. EN 166 approved)
Skin protection	PVC or natural rubber latex gloves (also consider your own risk assessment; e.g. breakthrough times, rates of diffusion and degradation, tasks undertaken)
Respiratory protection	
Other protection	Protective overall.

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9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Colourless
Odour	
pH	1.08-1.1
Boiling pt / range	°C
Melting pt / range	°C
Flash point	°C
Autoflammability	°C
Density	
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	
Water solubility	Miscible
Additional information	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	
Material to avoid	The product is incompatible with aluminium and magnesium.
Hazardous reactions	Reacts with aluminium or magnesium to produce hydrogen (explosive mixture in air).
Hazardous decomposition products	
Further information	

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	mg/kg	No data available for the product
Dermal compatibility	No data available for the product		
Mucous membrane compatibility	No data available for the product		
Further information			

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish	mg/l	No data available
Degradability	No data available			
Further information	Do not allow to get into waste water or waterways; if this occurs, inform the relevant water authority at once.			

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13. DISPOSAL CONSIDERATIONS

- Advice on disposal** In accordance with national and local authority regulations, e.g. special waste (e.g. Special Waste Regulations, 1996) or incineration, after consultation with the operator.
- 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**

15. REGULATORY INFORMATION

- Classification & labelling** The product is classified in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations [CHIP 2002]



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

- R22: Harmful if swallowed
R35: Causes severe burns.

Sources of data The Approved Supply List and 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.