

SAFETY DATA SHEET



Product Name: **TILE AND LINER CLEANER**

SDS Reference 048

Version No. 1

Revision date

Authorisation date September 18th, 2000

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name TILE AND LINER CLEANER
Use(s) For removal of fats, grease and limescale deposits from pools and spa baths
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 AQUEOUS PREPARATION OF AN INORGANIC ACID AND SOLVENT

<u>Chemical name</u>	<u>CAS-No</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concentration</u>
ISOPROPANOL	67-63-0	200-661-7	Xi: R36 R67	5-15%
PHOSPHORIC ACID	7664-38-2	231-633-2	C: R34	5-15%

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 soap and 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 phosphorus) 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 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. Wherever possible, avoid splashing.
Storage conditions	Ensure adequate ventilation of the storage area. Keep containers tightly closed and dry. Store away from chlorinated materials (e.g. bleach)
Further information	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls	Monitoring of the workplace should be considered in accordance with EH40 (or equivalent) controls
	LTEL (8 hour TWA): 400 ppm 999 mg/m ³ OES for isopropanol (EH40/2002)
	STEL (15 min): 500 ppm 1250 mg/m ³ OES for isopropanol (EH40/2002)
	LTEL (8 hour TWA): ppm 1 mg/m ³ OES for phosphoric acid(EH40/2002)
	STEL (15 min): ppm 2 mg/m ³ OES for phosphoric acid(EH40/2002)
Engineering controls	Ensure adequate ventilation of working area (e.g. local exhaust ventilation).
Personal protection	Observe normal standards for handling chemicals. Avoid breathing vapour and 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	PVC 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

9. PHYSICAL & CHEMICAL PROPERTIES

Physical form	Mobile liquid
Colour	Colourless
Odour	Faint
pH	1.8-2.2 (10 g/l H ₂ O)
Boiling pt / range	Not determined. °C
Melting pt / range	Not determined. °C
Flash point	Not applicable. °C
Auto flammability	°C
Relative density	
Explosive limits	Lower: % (v/v) Higher: % (v/v)
Viscosity	
Water solubility	Miscible in all proportions
Additional information	

10. STABILITY & REACTIVITY

Stability	Stable under normal conditions of handling.
Thermal decomposition	
Conditions to avoid	
Material to avoid	Chlorinated substances, strong bases
Hazardous reactions	
Hazardous decomposition products	Oxides of phosphorus (in a fire)

11. TOXICOLOGICAL INFORMATION

Acute toxicity	LD ₅₀ rat (oral)	1900 mg/kg	Data for phosphoric acid
Dermal compatibility	No data available		
Mucous membrane compatibility	No data available		
Further information			

12. ECOLOGICAL INFORMATION

Acute toxicity	LC ₅₀	Fish	mg/l	No data available
Degradability	No data available			
Further information	Based on the ecotoxicity of the components, it is unlikely that the product will be harmful to the aquatic environment.			

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	Not classified for transport.
Packaging group	
IMDG code	
RID / ADR	
Marine pollutant	The product should not be marked as a marine pollutant.
Proper shipping name	

15. REGULATORY INFORMATION

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

Risk phrases	R36/38	IRRITATING TO EYES AND SKIN.
Safety phrases	S2	KEEP OUT OF 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	<u>Risk phrases referred to in section 2</u> R34: Causes burns. R36: Irritating to eyes R67: Vapours may cause drowsiness and dizziness.
Sources of data	The Approved Supply List and other suppliers' safety data sheets
Date of issue	18-09-2000

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.