

PRODUCT SAFETY DATA SHEET FOR DESCALER

1. IDENTIFICATION PRODUCT & COMPANY

PRODUCT NAME –DESCALER

INTENDED USE – For descaling commercial dishwashers and glass washers

For professional use only.

SUPPLIER: Dishwashers Direct Ltd, 22 Deep Furrow Avenue, Carlton Nottingham NG4 1RS Tel 0115 9613 720 Fax 0115 9119 247.

2. COMPOSITION/INFORMATION OF INGREDIENTS

A blend of mineral acid (s), detergent (s), dye, & water.

For details on substances presenting a health hazard within the meaning of the Chemicals (Hazardous Information & Packing) Regulations 1993 see under section 8 of this data sheet.

3. HAZARDS IDENTIFICATION

Prolonged contact with metals, especially light metal e.g aluminium and alloys could lead to the liberation of hydrogen which is flammable. Irritating to eyes.

4. FIRST AID MEASURES

GENERAL - In case of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION - Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

EYE CONTACT - Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes holding the eye lids apart, seek medical advice.

SKIN CONTACT - Remove contaminated clothing. Wash skin thoroughly with soap and water or use a propriety skin cleaner. Do NOT use solvents or thinners.

INDIGESTION - If accidentally swallowed obtain immediate attention. Keep at rest. Do NOT induce to vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA - Dry powder, Halogenated Hydrocarbons, Sand, Foam.

NOT TO BE USED - Water, Carbon dioxide.

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL - Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses. May evolve toxic, flammable and asphilating gases in a fire. Therefore self contained breathing apparatus and an impervious body suit must be worn.

6. ACCIDENTAL RELEASE MEASURES

Contain and collect spillages with non - combustible absorbent materials e.g. Sand, Earth and place in a suitable container for disposal in accordance with the waste regulations. Do not allow large quantities to enter drains or water courses.If it does local water companies should be contacted,in case of contamination of streams, rivers, or lakes The National Rivers Authority.

7. STORAGE AND HANDLING

Avoid skin and eye contact. For personal protection see section 8. Good housekeeping and regular removal of waste materials will minimise risks. Keep container tightly closed. Never use pressure to empty container is not a pressure vessel. The principles contained in the HSE's guidance note storage of Packaged Dangerous substances should be observed when storing this product . Prevent unauthorised access.

Container which are opened should be properly released and kept upright to prevent leakage. Store away from and oxidising agents and strongly alkaline acids and materials.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES - If extraction methods are insufficient to maintain concentrations of particulates and / or solvent vapours below relevant OEL's, suitable respiratory protective equipment should be worn.

Substance name	% Conc	Symbol	OES 8hr ppm	OES 15 mins ppm	Risk Phrases	Notation	Range
PHOSPHORIC ACID	%>40% &=<60%	C	1.00	3.00	34	OES	

NOTES

Notations = Sk-risk of absorption through skin. Sen- respiratory sensitizer.
OES = Occupational Exposure Standard. MEL=Maximum Exposure Limited.
OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.
GENERAL PROTECTION- Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after explosion has occurred.
RESPIRATORY PROTECTION- Not applicable.
HAND PROTECTION- Full physical protection is best. Seek relevant medical advice from glove manufacturers. Barrier cream may be of help but should not be applied after explosion has occurred.
EYE PROTECTION- Eye protection designed to protect against liquid splashes should be worn.
SKIN PROTECTION- Cotton or Cotton/Synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a propriety skin cleaner.

9. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE	Clear red liquid	
VAPOUR DENSITY	HEAVIER than AIR	
FLASH POINT	LOWER EXPLOSION LIMIT	
VISCOSITY	SOLUBILITY IN WATER	MISCIBLE
SPECIFIC GRAVITY	1.17 gms/cc	

10. STABILITY & REACTIVITY

Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction. Uncontrolled exothermic reactions occur with amines and alcohols. Stable under the recommended storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Splashes in the eye may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself. Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or water surface.

13. DISPOSAL CONSIDERATIONS

Do not allow large quantities to enter drains or water courses dispose of where ground or surface waters may be affected.

14. TRANSPORT INFORMATION

Road/Rail SI Number....1760 Packing Group....111. Class.....8
Designation.....FOR DETAILED EXPORT INFORMATION CONTACT IF REQUIRED.

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15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazardous Information & Packaging) Regulations as follow:-

CLASSIFICATION	Irritant to skin	
CONTAINS	PHOSPHORIC ACID.....%	
RISK PHRASES	36/38	Irritating to eyes and skin.
SAFETY PHRASES	2	Keep out of reach of children.
	35	This material and its container must be disposed of in a safe way.
	46	If swallowed seek medical advice immediately and show this container or label.
	25	Avoid contact with eyes.

16. OTHER INFORMATION

Text of any Risk phrases listed in section 8.

R34 Causes burns

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The information contained in this Safety Data Sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used other than those shown in section 1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on Health, Safety and Environment aspects of the product should not be constructed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control Of Substances Hazardous to Health Regulations 1988(S1 1988:1657)

The Manual Handling Operations Regulations 1992 (S1 1992:2793)

Storage of Flammable Liquids in Container. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992(S1 1988:28369)