



SAFETY DATA SHEET

DESCALE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: DESCALE

PART No.: A178

IN-HOUSE No.: P.65

APPLICATIONS: Acidic liquid for Descaling Dish and glass washing machines

SUPPLIER: Evans Vanodine International
Brierley Road
Walton Summit
Preston. PR5 8AH

TEL: 01772 322200

FAX: 01772 626000

2 COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No.)
PHOSPHORIC ACID	231-633-2	7664-38-2	10-30 %	C	34

The full text for all R-phrases are shown in section 16.

3 HAZARDS IDENTIFICATION

Causes burns.

4 FIRST AID MEASURES

INHALATION: Not relevant. Inhalation unlikely.

INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately!

SKIN: Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYES: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

HAZARDOUS DECOMPOSITION PRODUCTS:

If involved in fire, may emit noxious fumes.

PROTECTIVE MEASURES IN FIRE: Protective clothing and respiratory protection should be worn when tackling fires involving this product.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS DURING SPILL:

Wear suitable protective clothing, gloves and eye/face protection.

PRECAUTIONS TO PROTECT ENVIRONMENT:

Large spillages or uncontrolled discharges into rivers or streams must be reported to The Environment Agency or other regulatory body.

SPILL CLEANUP METHODS:

Small quantities may be flushed to drains with plenty of water. Larger spill: Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS:

Wear suitable protective clothing, gloves and eye/face protection.

STORAGE PRECAUTIONS:

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from; hypochlorite and other oxidising agents.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
PHOSPHORIC ACID	7664-38-2	OES	1 mg/m3	2 mg/m3

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION:

Not applicable.

RESPIRATORS:

None required.

PROTECTIVE GLOVES:

Household rubber gloves.

EYE PROTECTION:

Use approved safety goggles or face shield.

OTHER PROTECTION:

Wear suitable protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.	COLOUR:	Clear. Red.
ODOUR/TASTE:	Faint		
SOLUBILITY DESCRIPTION:	Soluble in water.		
BOILING POINT (°C):	105 @ 760mmHg	MELTING POINT (°C):	-4
SPECIFIC GRAVITY (Water=1):	1.200 @ 20 °C	pH-VALUE, CONC:	2.30
FLASH POINT (°C):	Boils without flashing		

10 STABILITY AND REACTIVITY

STABILITY:

No particular stability concerns.

MATERIALS TO AVOID:

Concentrated alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Refer to section 3.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Potentially hazardous due to the acidity of the product.

BIO ACCUMULATION:

Completely soluble. No bioaccumulation.

DEGRADABILITY:

This product, at use dilutions, is readily broken down in biological effluent treatment plants.

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13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

14 TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:



ROAD:

UN No:	1805	ADR PACK GR:	III
HAZARD CLASS (ADR):	Class 8: Corrosive substances.		
PROPER SHIPPING NAME I:	PHOSPHORIC ACID 30% SOLUTION		

RAIL:

RAIL TRANSPORT CLASS No:	Class 8: Corrosive substances.	RID PACK GR:	III
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SEA:

UN SEA:	1805	SEA PACK GR:	III
SEA TRANSPORT CLASS No:	Class 8: Corrosive substances.		
MARINE POLLUTANT:	No.		

AIR:

UN AIR:	1805	AIR PACK GR:	III
AIR TRANSPORT CLASS No:	Class 8: Corrosive substances.		

15 REGULATORY INFORMATION

LABEL FOR SUPPLY:



CORROSIVE

RISK PHRASES:	R-34	Causes burns.
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SAFETY PHRASES:	S-2	Keep out of reach of children.
	S-36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S-45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S-50A	Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

UK ENVIRONMENTAL LISTINGS: Control of Pollution (Special Waste) Regulations 1980.

EC DIRECTIVES: System of specific information relating to Dangerous Preparations. 91\155. As amended by Directive 93/112/EC and 2001/58/EC.

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations. 2002

APPROVED CODE OF PRACTICE: The compilation of safety Data Sheets L130.

GUIDANCE NOTES: Occupational Exposure Limits EH40.

Approved guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply. L100

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16 OTHER INFORMATION

INFORMATION SOURCES: Approved Supply List - HSC.
Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS: Revised in accordance with CHIP 2002.
New SDS system.

REVISION DATE: 01/04/03

REVISION No. /REPLACES SDS ISSUED:

SDS No.: Issue 1
A178

R-PHRASES (Full Text): R-34 Causes burns.