



SAFETY DATA SHEET

HI-PHOS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	HI-PHOS
PRODUCT NO.	A072 EV
INTERNAL ID	P.96
APPLICATION	Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms
SUPPLIER	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH Tel: 01772 322 200 Fax: 01772 626 000 qclab@evansvanodine.co.uk
EMERGENCY TELEPHONE	New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

2 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION (1999/45) Xi;R36/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
PHOSPHORIC ACID ...%	231-633-2	7664-38-2	10-20%	C;R34
ALCOHOL (C9-C11) ETHOXYLATE (6EO)		68439-45-2	1-5%	Xn;R22. Xi;R41.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Not relevant. Inhalation unlikely.

INGESTION

DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention.

SKIN CONTACT

Remove contaminated clothing. Get medical attention if irritation persists after washing.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

When heated and in case of fire, harmful vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water. Large Spillages: Pick up with vacuum or absorbent solid, store in closed container for disposal.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes.

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising material. (eg Hypochlorite) Oxidising material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
PHOSPHORIC ACID ...%	WEL		1 mg/m3		2 mg/m3	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limit for COSHH assessments in the UK, -----
 ST = Short-Term Exposure Limit (15 minute) & LT = Long-Term Exposure Limit (8 hours).

ENGINEERING MEASURES

Not relevant.

RESPIRATORY EQUIPMENT

Respiratory protection not required.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. (Household rubber gloves.)

EYE PROTECTION

Eye protection recommended.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Viscous Liquid		
COLOUR	Clear Blue		
ODOUR	Wintergreen.		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	103	MELTING POINT (°C)	-3
RELATIVE DENSITY	1.109 @ 20 °c	pH-VALUE, CONC. SOLUTION	1.00
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.

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11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

Refer to section 2.

OTHER HEALTH EFFECTS

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADABILITY

Surfactant is readily broken down by effluent treatment process.

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 by approved waste contractor. Rinse out empty container with water and consign to normal waste.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid solution)		
UN NO. ROAD	3264	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
RID CLASS NO.	Class 8: Corrosive substances.	RID PACK GROUP	III
UN NO. SEA	3264	IMDG CLASS	Class 8: Corrosive substances.
IMDG PACK GR.	III	MARINE POLLUTANT	No.
UN NO. AIR	3264	AIR CLASS	Class 8: Corrosive substances.
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S2 Keep out of the reach of children.
S24/25 Avoid contact with skin and eyes.

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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.
S50A	Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

ENVIRONMENTAL LISTING

Hazardous Waste (England and Wales) Regulations.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. As amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

The compilation of safety Data Sheets L130.

GUIDANCE NOTES

Workplace Exposure Limits EH40. As amended in 2005. Approved guide to the Classification and Labeling of Substances and Preparations Dangerous for Supply. L100

16 OTHER INFORMATION

INFORMATION SOURCES

Approved Supply List - HSC (Health & Safety Commission) Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

New formulation leading to change in classification, changes made to sections 2, 3, 4, 6, 7, 8, 9, 12, 13, 15 & 16
Also slight amendment to Proper Shipping Name in Transport Section 14.

REVISION DATE 09/08/11

REV. NO./REPL. SDS Issue 4

GENERATED

SAFETY DATA SHEET STATUS

The Risk Phrases listed below in this Section No 16 relate to the Raw Materials in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases relating to this Product see Sections 2 & 15.

RISK PHRASES IN FULL

R34	Causes burns.
R22	Harmful if swallowed.
R41	Risk of serious damage to eyes.