



# SAFETY DATA SHEET

## HI-PHOS

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

<b>PRODUCT NAME</b>	HI-PHOS
<b>PRODUCT NO.</b>	A072
<b>INTERNAL ID</b>	P.96
<b>APPLICATION</b>	Acidic Descaling Toilet Cleaner and Hard surface cleaner for Washrooms
<b>SUPPLIER</b>	Evans Vanodine International Brierley Road Walton Summit Preston. PR5 8AH 01772 322200 01772 626000

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PHOSPHORIC ACID ...%	231-633-2	7664-38-2	10-20%	C;R34
OLEYLTRIMETHYLAMMONIUM CHLORIDE	233-938-6	10450-69-8	1-5%	Xn;R22. C;R34. N;R50.
PROPAN-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67
TALLOWBIS(2-HYDROXYETHYL)AMINE OXIDE	263-179-6	61791-46-6	1-5%	Xi;R38,R41. N;R50.
AMMONIUM CHLORIDE	235-186-4	12125-02-9	1-5%	Xn;R22 Xi;R36

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

### 3 HAZARDS IDENTIFICATION

Irritating to skin. Risk of serious damage to eyes.

**CLASSIFICATION** Xi;R41, R38.

### 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. Get medical attention immediately. Continue to rinse.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

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

#### SPECIFIC HAZARDS

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.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear eye/face protection. Avoid contact with skin.

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## ENVIRONMENTAL PRECAUTIONS

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

## SPILL CLEAN UP METHODS

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

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Wear eye protection. Avoid contact with skin.

### 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/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PHOSPHORIC ACID ...%	WEL		1 mg/m3		2 mg/m3
AMMONIUM CHLORIDE	WEL		10 mg/m3		20 mg/m3
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Not applicable.

### RESPIRATORY EQUIPMENT

None required.

### HAND PROTECTION

For prolonged or repeated skin contact the use of household rubber gloves is advisable.

### EYE PROTECTION

Use eye protection.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Viscous Liquid		
<b>COLOUR</b>	Clear Blue		
<b>ODOUR</b>	Wintergreen.		
<b>SOLUBILITY</b>	Soluble in water		
<b>BOILING POINT (°C)</b>	103	<b>MELTING POINT (°C)</b>	-3
<b>RELATIVE DENSITY</b>	1.116 @ 20 °C	<b>pH-VALUE, CONC. SOLUTION</b>	0.50
<b>FLASH POINT (°C)</b>	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.

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**Other Health Effects**

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

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Potentially hazardous due to the acidity of the product.

**BIOACCUMULATION**

Completely soluble. No bioaccumulation.

**DEGRADABILITY**

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

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Empty Container can be consigned to normal waste. Unwanted material should be disposed of as hazardous waste by registered contractor.

**14 TRANSPORT INFORMATION**

<b>PROPER SHIPPING NAME</b>	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid, liquid)		
<b>UN NO. ROAD</b>	3264	<b>ADR CLASS</b>	Class 8: Corrosive substances.
<b>ADR PACK GROUP</b>	III	<b>RID CLASS NO.</b>	Class 8: Corrosive substances.
<b>RID PACK GROUP</b>	III	<b>UN NO. SEA</b>	3264
<b>IMDG CLASS</b>	Class 8: Corrosive substances.	<b>IMDG PACK GR.</b>	III
<b>MARINE POLLUTANT</b>	No.	<b>UN NO. AIR</b>	3264
<b>ICAO CLASS</b>	Class 8: Corrosive substances.	<b>AIR PACK GR.</b>	III

**15 REGULATORY INFORMATION****LABELLING**

Irritant

**RISK PHRASES**

R41 Risk of serious damage to eyes.  
R38 Irritating to skin.

**SAFETY PHRASES**

S2 Keep out of the reach of children  
S39 Wear eye/face protection.  
S24 Avoid contact with skin.  
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/EEC. As amended by Directive 93/112/EC and 2001/58/EC.

# HI-PHOS

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. 2005

## 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 Labelling of Substances and Preparations Dangerous for Supply. L100

## 16 OTHER INFORMATION

### INFORMATION SOURCES

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

### REVISION COMMENTS

Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8.

**REVISION DATE** 01/11/05

**REV. NO./REPL. SDS** Issue 2

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### RISK PHRASES IN FULL

R11	Highly flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R67	Vapours may cause drowsiness and dizziness.