



## SAFETY DATA SHEET E-PHOS

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	E-PHOS
Product number	A088 EV
Internal identification	Janitorial
UFI	UFI: 9PSE-F1G8-WG0N-H1W2

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	UK Supplier:	EU Supplier:
	Evans Vanodine International plc Brierley Road, Walton Summit, Preston. UK. PR5 8AH Tel: 01772 322 200 e-mail: <a href="mailto:productcompliance@evansvanodine.co.uk">productcompliance@evansvanodine.co.uk</a>	Evans Vanodine Europe 6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.

#### 1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website <a href="http://www.evansvanodine.co.uk">www.evansvanodine.co.uk</a> ) For Technical Advice about this SDS - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm
National emergency telephone number	For Health Care Professionals only - For use in UK: Contact the National Poisons Information Service for further advice. For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166). For use in Malta: Emergency services (Ambulance, Fire and Rescue, Police) : 112

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Hazard pictograms



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<b>Signal word</b>	Danger
<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P102 Keep out of reach of children. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 IF SWALLOWED: P313 Get medical advice/ attention. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
<b>Contains</b>	PHOSPHORIC ACID, ALCOHOL (C9-C11) ETHOXYLATE (6EO), ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>PHOSPHORIC ACID</b>	<b>3-5%</b>
CAS number: 7664-38-2	EC number: 231-633-2
Spec Conc Limits :- Skin Corr. 1B (H314) ≥ 25%, Skin Irrit. 2 (H315) >10% <25%, Eye Irrit. 2 (H319) >10%	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
<b>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</b>	<b>1-3%</b>
CAS number: 68439-46-3	
Alternative CAS No 68439-45-2	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

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<b>ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE</b>	<b>1-3%</b>
CAS number: 68424-85-1	EC number: 270-325-2
M factor (Acute) = 10	M factor (Chronic) = 1
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**            Wear protective clothing, gloves, eye and face protection.

#### 6.2. Environmental precautions

**Environmental precautions**    This product may have adverse effects in the aquatic environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**        Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

#### 6.4. Reference to other sections

**Reference to other sections**    For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**                Wear protective clothing, gloves, eye and face protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**            Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. (eg Hypochlorite / Bleach) & Alkalis.

#### 7.3. Specific end use(s)

**Specific end use(s)**                The identified uses for this product are detailed in Section 1.2.

**Usage description**                See Product Information Sheet & Label for detailed use of this product.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### PHOSPHORIC ACID

Long-term exposure limit (8-hour TWA): WEL 1 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**    Not relevant.

**Eye/face protection**                Wear eye protection.

**Hand protection**                      Wear protective gloves. (Household rubber gloves.)

**Other skin and body protection**      Wear appropriate clothing to prevent any possibility of skin contact.

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**Respiratory protection**                      Respiratory protection not required.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Clear. Blue.
<b>Odour</b>	Floral.
<b>pH</b>	pH (concentrated solution): 1.30
<b>Melting point</b>	-1°C
<b>Initial boiling point and range</b>	101°C @ 760 mm Hg
<b>Flash point</b>	Boils without flashing.
<b>Relative density</b>	1.024 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

**Other information**                      None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity**                                  Reacts with alkalis and generates heat.

#### 10.2. Chemical stability

**Stability**                                      No particular stability concerns.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**      See sections 10.1,10.4 & 10.5

#### 10.4. Conditions to avoid

**Conditions to avoid**                      There are no known conditions that are likely to result in a hazardous situation.

#### 10.5. Incompatible materials

**Materials to avoid**                      Strong alkalis. Chlorine releasing materials will liberate toxic chlorine gas.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products**      No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects**                      We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

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

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)**                              Based on available data the classification criteria are not met.

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**ATE oral (mg/kg)** 7,902.97

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

## SECTION 12: Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

### 12.1. Toxicity

**Toxicity** We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

### 12.3. Bioaccumulative potential

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

### 12.4. Mobility in soil

**Mobility** Not known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**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.

## SECTION 14: Transport information

**General** 1L & 5L As supplied, this product is consigned under the Limited Quantities provisions.

### 14.1. UN number

**UN No. (ADR/RID)** 3264

**UN No. (IMDG)** 3264

**UN No. (ICAO)** 3264

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid solution)

**Proper shipping name (IMDG)** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid solution)

**Proper shipping name (ICAO)** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid solution)

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### 14.3. Transport hazard class(es)

ADR/RID class	Class 8 : Corrosive Substances.
ADR/RID label	8
IMDG class	Class 8: Corrosive substances.
ICAO class/division	Class 8: Corrosive substances.

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-A, S-B
Tunnel restriction code	(E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EU legislation</b>	<p>Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 &amp; 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".</p> <p>The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling &amp; packaging of substances &amp; mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".</p> <p>Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling &amp; packaging of substances &amp; mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020".</p>
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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16: Other information

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<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>GHS: Globally Harmonized System.</p> <p>Spec Conc Limits = Specific Concentration Limits.</p>
<b>Classification abbreviations and acronyms</b>	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Acute = Hazardous to the aquatic environment (acute)</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Eye Dam. = Serious eye damage</p> <p>Skin Corr. = Skin corrosion</p> <p>Skin Irrit. = Skin irritation</p>
<b>Key literature references and sources for data</b>	<p>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&amp;L Inventory database.</p>
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	<p>Calculation Method.</p>
<b>Revision comments</b>	<p>Change of Address. &amp; Addition of national emergency telephone number.</p>
<b>Revision date</b>	<p>14/01/2021</p>
<b>Revision</b>	<p>9</p>
<b>SDS status</b>	<p>The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.</p>
<b>Hazard statements in full</b>	<p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>