E-PHOS

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

1.1 - Product identifier

Trade name/designation

Chemical name	E-PHOS
Product-type	Mixture
Product code	A088 EV - Professional Hygiene

SDS also conforms with UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

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

Relevant identified uses	- Acidic Descaling Toilet Cleaner and Hard Surface Cleaner for washrooms.

1.3 - Details of the supplier of the safety data sheet

UK Supplier: Evans Vanodine International plc,
Brierley Road, Walton Summit, Preston, UK. PR5 8AH

Telephone : +44 (0) 1772 322 200
Website www.evansvanodine.co.uk
Evans: productcompliance@evansvanodine.co.uk

Distributor

EU Supplier: Evans Vanodine Europe (FR), 3 Boulevard de Belfort, 1st Floor, Lille, 59000, France.
Tel: +33 (0)3 76 04 21 87

1.4 - Emergency telephone number

New Safety Data Sheets - 01772 322 200 - Mon to Thurs 8.30am to 4.30pm & Fri 8.30am to 1.30pm.
(English SDS is available 24/7 from our website www.evansvanodine.co.uk)
For Technical Advice about this SDS - 01772 318 818 - Mon to Thurs 8.00am to 5.30pm

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Not Classified	Not classified

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word	:	None
Pictograms	:	None
Hazard statements	:	None

Precautionary statements

P301	IF SWALLOWED:
P313	Get medical advice/attention.
P501	Dispose of container/contents in accordance with local regulation.
P102	Keep out of reach of children.

EUH-phrases : None

2.3 - Other hazards

PBT substances

vPvB substances

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

Other hazards which do not result in classification - Keep away from other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Information on the substance
phosphoric acid	CAS No. : 7664-38-2 Index No. : 015-011-00-6 EC No. : 231-633-2 REACH No. : 01-2119485924-24-xxxx	3 - 5	Acute Tox. 4 Oral - H302 Eye Dam. 1 - H318 Met. Corr. 1 - H290 Skin Corr. 1B - H314	Skin Corr. 1B - H314 : 25<=%<=100 Skin Irrit. 2 - H315 : 10<=%<25 Eye Irrit. 2 - H319 : 10<=%<25 Eye Dam. 1 - H318 : 25<=%<=100 (a) (b)
Cocamidopropyl Betaine	CAS No. : 61789-40-0 Index No. : EC No. : 931-296-8 REACH No. : 01-2119488533-30-xxxx	0.1 - 1	Aquatic Chronic 3 - H412 Eye Dam. 1 - H318	Eye Dam. 1 - H318 : 10<%<100 Eye Irrit. 2 - H319 : 4<%<=10 (a)

(a) Substance contributing to the classification

(b) Substance with exposure limite value

- The ingredients are present in non-hazardous to health concentrations.

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - 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.

Following skin contact - Wash with plenty of water.

After eye contact - Rinse immediately with plenty of water.
- Get medical attention if irritation persists after washing.

After ingestion - Do NOT induce vomiting.
- Give plenty of water to drink. Get medical attention if any discomfort continues.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation - No specific symptoms known.

Symptoms and effects - Following skin contact - No specific symptoms known.

	- But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
Symptoms and effects - After eye contact	- No specific symptoms known. - Prolonged contact may cause redness and/or tearing.
Symptoms and effects - After ingestion	- No specific symptoms known. - But - May cause discomfort if swallowed.

4.3 - Indication of any immediate medical attention and special treatment needed

- General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media	- The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	- Thermal decomposition or combustion products may include the following substances: - Irritating gases or vapours.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	- No specific protective clothing. - See section 8.2

6.2 - Environmental precautions

- 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 and material for cleaning up	- Small Spillages: Flush away spillage with plenty of water to drain. - 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

- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation	- No specific recommendations.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep container tightly closed in a cool, well-ventilated place.
- Store away from the following materials:
- Oxidising materials.

7.3 - Specific end use(s)

- See section 1.2 of the SDS.
- See Product Information Sheet and Label for detailed use of this product.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

phosphoric acid (7664-38-2)	
IOELV TWA mg/m³ (UE)	1 mg/m³
IOELV STEL mg/m³ (UE)	2 mg/m³

8.2 - Exposure controls

Appropriate engineering controls	- Not relevant.
Individual protection measures, such as personal protective equipment	- No specific eye protection required during normal use. - No specifc hand protection required, but for prolonged or repeated skin contact use it is recommended to wear suitable gloves. - No specific body protection required during normal use. - Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Viscous
Colour	light blue	Odour	Floral

Odour threshold	No data available
pH	1.3
Melting point	-1 °C
Freezing point	No data available
Boiling point	101 °C
Flash point	Not applicable
Evaporation rate	No data available
flammability	Not applicable

Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.022
Density	No data available
Solubility (Water)	Soluble
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	Not applicable Partition coefficient n-octanol/water (Log value)
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	Not applicable
Dustiness	Not applicable
Specific surface area	Not applicable
Shape	Not applicable

9.2 - Other information

VOC content	0 %
Minimum ignition energy	No data available
Conductivity	No data available
Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6 - Hazardous decomposition products

- No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	- Not classified

Toxicity : Mixture

ATE oral : 12657.19 ATE dermal : - ATE Inhalation Dust/Mist : -
ATE Inhalation Vapor : - ATE Inhalation Gas : -

LD50 oral (rat)	Not applicable
LD50 dermal (rat)	Not applicable
LD50 dermal (rabbit)	Not applicable
LC50 inhalation gas (rat)	Not applicable
LC50 inhalation dusts and mists (rat)	Not applicable
LC50 inhalation vapours (rat)	Not applicable

- Oral ATE being >2000 = Not classified.
- Based on available data, the classification criteria are not met.
- The evaluation was carried out according to the calculation method.
- Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.
- No animal testing has been carried out for this product. Any ATE figures quoted 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.

Skin corrosion/irritation	- Not classified
	- The evaluation was carried out according to the calculation method.
Serious eye damage/eye irritation	- Not classified
	- The evaluation was carried out according to the calculation method.
Respiratory or skin sensitisation	- Not classified
	- The evaluation was carried out according to the calculation method.
Germ cell mutagenicity	- Not classified
Carcinogenicity	- Not classified
Reproductive toxicity	- Not classified
STOT-single exposure	- Not classified
STOT-repeated exposure	- Not classified
Aspiration hazard	- Not classified

11.2 - Information on other hazards

- None known.

11.2.1 Endocrine disrupting properties - None known.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	Not applicable
LC50 96 hr fish	Not applicable
ErC50 algae	Not applicable
ErC50 other aquatic plants	Not applicable
NOEC chronic fish	Not applicable
NOEC chronic crustacea	Not applicable
NOEC chronic algae	Not applicable
NOEC chronic other aquatic plants	Not applicable

- Not classified as dangerous for the environment.
- The evaluation was carried out according to the calculation method.
- No Aquatic testing carried out, therefore no Aquatic Toxicity Data available 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

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

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

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	Not applicable Partition coefficient n-octanol/water (Log value)

- There is no bioaccumulating substance in the product.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

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

12.6 - Endocrine disrupting properties

- This product does not contain any substances that are identified as having endocrine distrupting properties.

12.7 - Other adverse effects

- None

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment 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

14.1 - UN number or ID number
Not applicable

14.2 - UN proper shipping name
Not applicable

14.3 - Transport hazard class(es)
Not applicable

14.4 - Packing group
Not applicable

14.5 - Environmental hazards
Not applicable

14.6 - Special precautions for user
Not applicable

14.7 - Maritime transport in bulk according to IMO instruments
Not applicable

- Not relevant for a packaged product.

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None
VOC content	0 %

- Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.".

- The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." ." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.".

- Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & 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." (which amends SI 2019 No.720).

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

15.2 - Chemical Safety Assessment

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

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
13	01/04/2026		SDS prepared on new SDS software. - No change in Product Classification.

Abbreviations and acronyms	- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road - ATE: Acute Toxicity Estimate. - LC50: Lethal Concentration to 50 % of a test animals. - LOEC: Lowest Observed Effect Concentration. - LD50: Lethal Dose to 50% of a test animals. - LOEL: Lowest Observed Adverse Effect Level. - DNEL: Derived no-effect level. - EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals. - IATA: International Air Transport Association. - IMDG: International Maritime Dangerous Goods. - EC No: European Community number - NOEC: No Observed Effect Concentration. - NOEL: No observable effect level. - CAS No.: Chemical Abstracts Service number. - ICAO: International Civil Aviation Organization - PBT: Persistent, Bioaccumulative and Toxic. - PNEC: Predicted no-effect concentration. - RID: International Carriage of Dangerous Goods by Rail. - STEL: Short-term exposure limit - TWA: Time weighted average - OEL: Occupational exposure limit. - vPvB: very Persistent and very Bioaccumulative.
Data sources:	Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
Evaluation methods	For Methods used for Classification: See sections 11.1 for Health & 12.1 for Environmental.

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

E-PHOS

Met. Corr. 1	Corrosive to metals - Category 1
Not Classified	Not classified
Skin Corr. 1B	Skin corrosion, Category 1B

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