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# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## EP 15087 PHOS DE SCALE GEL

Revision 1

Revision date 2015-07-14

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

#### 1.1. Product identifier

Product name EP 15087 PHOS DE SCALE GEL

#### 1.3. Details of the supplier of the safety data sheet

Company	Assured Solutions Ltd
Address	Unit H Westminster Industrial Estate Measham Derbyshire DE12 7DS
Web	www.chemicalsuppliers.uk.com
Telephone	+44 (0)1530 272922
Fax	+44 (0)1530 272921
Email	sales@assuredsolutionsltd.co.uk
Email address of the competent person	sales@assuredsolutionsltd.co.uk

#### 1.4. Emergency telephone number


Emergency telephone number	01530 272 922
Company	ASSURED SOLUTIONS LTD 24hrs

### SECTION 2: Hazards identification

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

2.1.1. Classification - 1999/45/EC	Xi; R36/38 Symbols: Xi: Irritant.
Main hazards	Irritating to eyes and skin.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; Eye Irrit. 2: H319;

#### 2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	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

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## 2.2. Label elements

lenses, if present and easy to do. Continue rinsing.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2	01-2119485924-24	10 - 20%	C; R34	
2 BUTOXY ETHANOL (2-Butoxyethanol)		111-76-2	203-905-0	01-2119475108-36	1 - 10%	Xn; R20/21/22 Xi; R36/38	
Methanol	603-001-00-X	67-56-1	200-659-6		1 - 10%	F; R11 T; R23/24/25-39/23/24/25	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Phosphoric acid...% (Orthophosphoric acid)	015-011-00-6	7664-38-2	231-633-2	01-2119485924-24	10 - 20%	Skin Corr. 1B: H314;	
WATER					60 - 70%		
XANTHAN GUM		11138-66-2	234-394-2		1 - 10%		
2 BUTOXY ETHANOL (2-Butoxyethanol)		111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332;	
Methanol	603-001-00-X	67-56-1	200-659-6		1 - 10%	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370;	
ALCOHOL ETHOXYLATE		68439-46-3			0.5 - 1%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
PERFUME					0 - 0.5%		
Dipentene	601-029-00-7	138-86-3	205-341-0		0 - 0.5%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	
HEXYL CINNAMAL		101-86-0			0 - 0.5%		
DYE					0 - 0.5%		

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Carbon dioxide (CO2).

## 5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

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## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

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

Wear suitable protective equipment. Adopt best Manual Handling considerations when handling, carrying and dispensing.

## 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

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

Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values

2 BUTOXY ETHANOL (2-Butoxyethanol)	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m3: 123
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m3: 101.2
	WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Methanol	WEL 8-hr limit ppm: 200	WEL 8-hr limit mg/m3: 266
	WEL 15 min limit ppm: 250	WEL 15 min limit mg/m3: 333
	WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Phosphoric acid...% (Orthophosphoric acid)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.

No data is available on this product.

## Exposure Pattern - Workers

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## Exposure Pattern - Workers

2 BUTOXY ETHANOL	Acute inhalation - Systemic effects	663 mg/m <sup>3</sup>	
	Acute inhalation - Local effects	246 mg/m <sup>3</sup>	Acute dermal - Systemic effects
	Long-term - dermal - Systemic effects	75 mg/kg	89 mg/kg

## Exposure Pattern - General population

2 BUTOXY ETHANOL	Acute inhalation - Systemic effects	426 mg/m <sup>3</sup>	
	Acute dermal - Systemic effects	44.5 mg/kg	Acute oral - Systemic effects
	Long-term - inhalation - Local effects	123 mg/kg	Long-term - dermal - Systemic effects
	Long-term - oral - Systemic effects	3.2 mg/kg	38 mg/kg

## 8.2. Exposure controls

8.2.1. Appropriate engineering controls	Not normally required.
8.2.2. Individual protection measures	Avoid contact with eyes and skin.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Not normally required.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Gel
Colour	Various
Odour	Mild
pH	1 - 2
Relative density	1.08 - 1.12
Solubility	Soluble in water

## SECTION 10: Stability and reactivity

## 10.2. Chemical stability

	Stable under normal conditions.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Skin corrosion/irritation	Irritating to eyes and skin.
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## SECTION 12: Ecological information

## 12.2. Persistence and degradability

	DETERGENTS IN THIS FORMULATION ARE >90% BIODEGRADABLE. Inorganic materials are inherently not biodegradable however those present in this formulation/product are either of no known significant environmental hazard or are readily neutralised to form inert salts.
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## 12.3. Bioaccumulative potential

	No data is available on this product.
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## SECTION 13: Disposal considerations

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## General information

	Dispose of in compliance with all local and national regulations.
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## SECTION 14: Transport information

## 14.1. UN number

	The product is not classified as dangerous for carriage.
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## 14.2. UN proper shipping name

	The product is not classified as dangerous for carriage.
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## 14.3. Transport hazard class(es)

	The product is not classified as dangerous for carriage.
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## 14.4. Packing group

	The product is not classified as dangerous for carriage.
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## 14.5. Environmental hazards

	The product is not classified as dangerous for carriage.
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## 14.6. Special precautions for user

	The product is not classified as dangerous for carriage.
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	The product is not classified as dangerous for carriage.
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## Further information

	The product is not classified as dangerous for carriage.
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## SECTION 15: Regulatory information

## 15.2. Chemical safety assessment

	No chemical Safety assessment has been carried out by the supplier.
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## SECTION 16: Other information

## Other information

Revision	<p>This document differs from the previous version in the following areas:</p> <ul style="list-style-type: none"> <li>1 - REACH.</li> <li>2 - 2.1.2. Classification - EC 1272/2008.</li> <li>2 - Hazard pictograms.</li> <li>2 - Signal Word.</li> <li>2 - Precautionary Statement: Prevention.</li> <li>2 - Precautionary Statement: Response.</li> <li>2 - Precautionary Statement: Storage.</li> <li>2 - Precautionary Statement: Disposal.</li> <li>6 - 6.1. Personal precautions, protective equipment and emergency procedures.</li> <li>7 - 7.1. Precautions for safe handling.</li> <li>8 - 8.2.1. Appropriate engineering controls.</li> <li>8 - Respiratory protection.</li> <li>8 - Skin protection - Handprotection.</li> <li>8 - Eye / face protection.</li> <li>8 - 8.2.2. Individual protection measures.</li> <li>8 - DNEL: Derived no-effect level.</li> <li>9 - 9.1. Information on basic physical and chemical properties (PH).</li> <li>11 - Skin corrosion/irritation.</li> <li>12 - 12.1. Toxicity.</li> <li>12 - 12.2. Persistence and degradability.</li> <li>12 - 12.3. Bioaccumulative potential.</li> <li>15 - 15.2. Chemical safety assessment.</li> </ul>
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## Other information

<b>Text of risk phrases in Section 3</b>	<p>R11 - Highly flammable.  R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.  R34 - Causes burns.  R36/38 - Irritating to eyes and skin.  R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  Skin Irrit. 2: H315 - Causes skin irritation.  Eye Irrit. 2: H319 - Causes serious eye irritation.  Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled  Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  Acute Tox. 3: H301 - Toxic if swallowed.  Acute Tox. 3: H311 - Toxic in contact with skin.  Acute Tox. 3: H331 - Toxic if inhaled.  STOT SE 1: H370 - Causes damage to organs .  Acute Tox. 4: H302 - Harmful if swallowed.  Eye Dam. 1: H318 - Causes serious eye damage.  Flam. Liq. 3: H226 - Flammable liquid and vapour.  Skin Sens. 1: H317 - May cause an allergic skin reaction.  Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>

## Further information

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>
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