



SAFETY DATA SHEET CLEARPHOS

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

PRODUCT NAME CLEARPHOS

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2 HAZARDS IDENTIFICATION

Causes burns.

CLASSIFICATION (1999/45) C;R34.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
ALKYL (C9-11) ALCOHOL, ETHOXYLATED			1-5%	Xn;R22. Xi;R41.
ALKYL DIMETHYL BENZYL AMONIUM CHLORIDE	273-544-1	68989-00-4	1-5%	Xn;R21/22. C;R34. N;R50.
PHOSPHORIC ACID 85.5%	231-633-2	7664-38-2	30-60%	C;R34

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

4 FIRST-AID MEASURES

INHALATION

Irritating to respiratory system. Move the exposed person to fresh air at once. Seek medical attention.

INGESTION

Harmful if swallowed. DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

SKIN CONTACT

Irritating to skin. Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

EYE CONTACT

Irritating to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

Burning produces irritating, toxic and obnoxious fumes.

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation of the working area.

CLEARPHOS

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

SPILL CLEAN UP METHODS

Transfer to suitable, labelled containers for disposal. Sweep up.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.

STORAGE PRECAUTIONS

Keep containers tightly closed. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
PHOSPHORIC ACID 85.5%	WEL		1 mg/m3		2 mg/m3	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Ensure adequate ventilation of the working area.

RESPIRATORY EQUIPMENT

Use respiratory equipment with particle filter, type P3.

HAND PROTECTION

Wear protective gloves.

EYE PROTECTION

Wear approved safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	RELATIVE DENSITY	1.240
COLOUR	Colourless	FLASH POINT (°C)	100
ODOUR	Slight odour		
SOLUBILITY	Soluble in water.		
BOILING POINT (°C)	100		
pH-VALUE, CONC. SOLUTION	1		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

MATERIALS TO AVOID

Acids Oxidising agents

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 1530 mg/kg (oral rat)

TOXIC DOSE 2 - LD 50 2740 mg/kg (oral-rbt)

TOXICOLOGICAL INFORMATION

The product contains: Phosphoric Acid

INHALATION

Slight irritation of the upper respiratory tract. Can cause irritation to nose and throat if sprays are breathed in.

CLEARPHOS

INGESTION

Causes irritation to mouth and upper digestive tract.

SKIN CONTACT

Causes burns.

EYE CONTACT

Causes burns.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

High concentrations in receiving waters will damage aquatic life due to the effects of low pH. Low concentrations may act as plant nutrient or precipitate heavy metals.

DEGRADABILITY

The acidity may be reduced by natural water hardness. The phosphate produced however will remain indefinitely.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	PHOSPHORIC ACID, SOLUTION		
UN NO. ROAD	1805	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2R	CEFIC TEC(R) NO.	80GC1-II+III, 80GC2-II+III
RID CLASS NO.	8	RID PACK GROUP	III
UN NO. SEA	1805	IMDG CLASS	8
IMDG PAGE NO.	1805	IMDG PACK GR.	III
EMS	F-A, S-B	UN NO. AIR	1805
AIR CLASS	8	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS PHOSPHORIC ACID 85.5%

RISK PHRASES

R34 Causes burns.

SAFETY PHRASES

- S24/25 Avoid contact with skin and eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of .. (to be specified by the manufacturer).
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

CLEARPHOS

S45

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S56

Dispose of this material and its container to hazardous or special waste collection point.

16 OTHER INFORMATION

REVISION DATE 05/11/2010

REV. NO./REPL. SDS GENERATED 2

SDS NO. 10257

RISK PHRASES IN FULL

R34 Causes burns.

R22 Harmful if swallowed.

R21/22 Harmful in contact with skin and if swallowed.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

DISCLAIMER

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.