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# ReAgent

## SAFETY DATA SHEET PHOSPHORIC ACID 10% V/V

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME PHOSPHORIC ACID 10% V/V  
 PRODUCT NO. 1934  
 APPLICATION General chemical reagent  
 SUPPLIER Reagent Chemical Services  
 18 Aston Fields Road  
 Whitehouse Industrial Estate  
 Runcorn  
 Cheshire WA7 3DL  
 T: 01928 716903  
 F: 01928 716425  
 E: [info@reagent.co.uk](mailto:info@reagent.co.uk)  
 EMERGENCY TELEPHONE Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION Xi;R36/38.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
PHOSPHORIC ACID ...%	231-633-2	7664-38-2	10-30%	C;R34

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

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

#### SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues obtain medical attention.

#### EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

#### SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed.

#### 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.

**PHOSPHORIC ACID 10% V/V****SPILL CLEAN UP METHODS**

Small Spillages Absorb with inert, non-combustible material. Large Spillages Dam and absorb spillages with sand, earth or other inert, non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash thoroughly after dealing with a spillage.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry and cool place.

**STORAGE CLASS**

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
PHOSPHORIC ACID ...%	OES		1 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. If vapours or mists are generated, work in a fume cupboard.

**RESPIRATORY EQUIPMENT**

Wear suitable respiratory protection if vapours or mists are generated.

**HAND PROTECTION**

Use protective gloves. Rubber or plastic. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved safety goggles. Use face shield in case of splash risk.

**OTHER PROTECTION**

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

**HYGIENE MEASURES**

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Odourless
SOLUBILITY	Miscible with water.
pH-VALUE, CONC. SOLUTION	<1

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**MATERIALS TO AVOID**

Bases. Metals (formation of hydrogen) Metal oxides. Organic nitro compounds.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Oxides of: Phosphorus.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Irritating to respiratory system.

**PHOSPHORIC ACID 10% V/V****INGESTION**

Irritation of the mouth, the oesophagus and the gastrointestinal tract.

**SKIN CONTACT**

Irritating to skin.

**EYE CONTACT**

Irritating to eyes. Risk of serious damage to eyes.

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

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. Ecological effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water, waste water or soil.

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

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

UK ROAD CLASS	8		
PROPER SHIPPING NAME	PHOSPHORIC ACID		
UN NO. ROAD	1805	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	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.	8
IMDG PACK GR.	III	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1805	AIR CLASS	8
AIR PACK GR.	III		

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

Irritant

CONTAINS PHOSPHORIC ACID 13.3953%

**RISK PHRASES**

R36/38 Irritating to eyes and skin.

**SAFETY PHRASES**

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S24/25 Avoid contact with skin and eyes.

S60 This material and its container must be disposed of as hazardous waste.

## PHOSPHORIC ACID 10% V/V

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

### GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

### NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

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## 16 OTHER INFORMATION

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### REVISION COMMENTS

This is first issue. Change to section 1

REVISION DATE 25/09/2008

REV. NO./REPL. SDS GENERATED 1

SDS NO. 10254

### SAFETY DATA SHEET STATUS

Approved.

DATE 24/04/2008

### RISK PHRASES IN FULL

R34 Causes burns.