

1. Identification of Substance/ Preparation and of the company undertaking

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2. Composition/ Information on Ingredients

Substance	Symbol	%WT
Phosphoric acid...%	C; R34	30 - 40%
(Orthophosphoric acid)		

3. Hazards Identification

Corrosive Causes Burns.

4. First Aid Measures

Eyes: 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: Irritating to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

Ingestion: Irritation of gastrointestinal tract. Rinse mouth thoroughly. DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. Seek medical attention.

Inhalation: Irritating to respiratory system. Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention. Seek medical attention.

5. Fire Fighting Measures

Extinguishing media: Use extinguishing media appropriate to the surrounding fire conditions.

Special hazards: Burning produces irritating, toxic and obnoxious fumes.

Advice for firefighters: Wear.. Self-contained breathing apparatus.

6. Accidental Release Measures

Personal: Ensure adequate ventilation of the working area. Wear suitable protective equipment.

Environmental: Prevent further spillage if safe. Do not allow product to enter drains. Advise local authorities if large spills cannot be contained.

Methods for Containment: Contain with sand or granules. Slowly neutralise residue with sodium bicarbonate or soda ash/lime. Shovel residues into a suitable plastic container and hold for waste disposal.

7. Handling and Storage

Safe Handling: Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Avoid generating mist. A stock of neutralising chemicals should be available to help deal with small spillages.

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

8. Exposure Control/ Personal Protection

Individual protection PVC overalls and acid resistant boots.

Eye / face protection Safety glasses.

Skin protection - Rubber gloves.

Respiratory protection Wear suitable respiratory equipment when necessary.

Environmental exposure Users should be aware of environmental considerations and their duties under the Environmental Protection Act

W.E.L: Phosphoric acid...% WEL 8-hr limit ppm: - WEL 8-hr limit mg/m3: 1
(Orthophosphoric acid) WEL 15 min limit ppm: - WEL 15 min limit mg/m3: 2

9. Physical and Chemical Properties

State	Liquid	Melting point	0
Colour	Red	Boiling point	105
Odour	Characteristic	Relative density	(1.160 - 1.200)
pH	(1-2)	Solubility	Soluble.

10. Stability and Reactivity

Chemical: Converts at elevated temperatures (>150oC) to pyrophosphoric acid and eventually (>300oC) to metaphosphoric acid. Phosphorous pentoxide fume may also be released.

Hazardous decomposition: Reactions with metals liberates flammable hydrogen gas. Reactions with bases are exothermic. Reacts with sulphides, phosphides, cyanides, acetylides, fluorides, silicides and carbides to produce flammable or toxic gases.

11. Toxicological Information

Acute toxicity: The material is unlikely to cause any adverse effects in normal conditions of handling and use.

12. Ecological Information

Toxicity: 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.

13. Disposal Consideration

General information: Dispose of in compliance with all local and national regulations.

14. Transport Information

UN number	UN3264
ADR/RID	8
Packing group	III
Environmental hazards	No
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS PHOSPHORIC ACID)

15. Regulatory Information

Hazard Symbol: Corrosive



Risk Phrases: R34 - Causes burns.

Safety Phrases: S1/2 - Keep locked up and out of the reach of children.

S13 - Keep away from food, drink and animal feedingstuffs.

S25 - Avoid contact with eyes.

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

S28 - After contact with skin, wash immediately with plenty of water.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46 - If swallowed, seek medical advice immediately and show this container or label.

16. Other Information

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.