

1. Identification

Product Code **CP4224-52**

Product Name **PHOSPHORUS PENTOXIDE pure**

Molecular Formula P_2O_5 =141.94

CAS Number 1314-56-3

Supplier: **BEECROFT & PARTNERS**

 Northfield Road
 Rotherham
 South Yorkshire

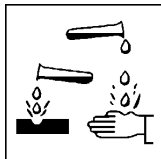
Phone 01709-377881
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Emergency Telephone 08:30-1700 01709-377881
 24hr 112
 (Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Phosphorous pentoxide	1314-56-3	215-236-1	> 98.0%	C : R35	OES

3. Hazards Identification



Causes severe burns.

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water until MEDICAL ATTENTION has been obtained.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. Unless contact has been slight OBTAIN MEDICAL ATTENTION

Inhalation Remove from exposure. Keep warm and at rest. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

Ingestion If conscious give plenty of water to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.

5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media If water is used it should be in a large excess to minimise exothermic reactions.

6. Accidental Release Measures

Personal Protection	Avoid breathing dust-wear respiratory protective equipment. Do not allow other people to enter area.
Enviromental	Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing. Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.
Storage Conditions	Well ventilated, cool, dry storage . Protect against moisture to prevent decomposition and corrosion.

8.1 Occupational Exposure Limits

8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical full face shield.
Skin	Wear PVC oversuit.

9. Physical & Chemical Properties

Appearance	White hygroscopic powder.
Odour	No specific odour.
pH	2 (20g/l)
Boiling point	Not available
Melting point	420.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Presure	Not available
Relative Density	0.7000
Water Solubility	Reacts violently with water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Exclude water completely, extremely hygroscopic.
Materials to Avoid	Water. Perchloric acid. Reacts vigorously and exothermically with lower molecular weight alcohols.
Hazardous Decomposition Products	May produce hazardous fumes if involved in a fire.

11. Toxicological Information

Eyes	Contact with the solid or solution will cause severe burns.
Skin	Direct contact with moisture on the skin causes severe thermal and caustic burns.
LD50 Skin	Not available

11. Toxicological Information (continued)

Ingest	Ingestion will cause severe mouth burns, and if swallowed extensive damage to the oesophagus.
LD50 Ingest	Not available
Inhalation	Inhalation of dust will produce severe irritation of the eyes, nose, throat and respiratory tract. Prolonged exposure to dust or fume concentrations above the occupational exposure limits will seriously damage the membranes lining the nose, throat and upper respiratory tract.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

12. Ecological

High concentrations will injure aquatic life due to the effect of low pH. Low concentrations may form soluble phosphates which may act as plant nutrients.

13. Disposal Considerations

Disposal Methods	Dilute in a large excess of water and carefully neutralise with soda ash, then wash to drain with copious amounts of water. Larger quantities should be sent for disposal by an authorised waste disposer.
Contaminated Packaging	Very carefully wash out containers with water. Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Phosphorous pentoxide
UN Number	1807
UN Classification	8 Corrosive
Subsidiary Risk	None
Flash Point	Not available
Packing Group	II
Marine pollutant	No
ADR Hazard ID	80

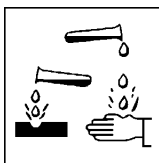


15. Regulatory Information

Labelling	Corrosive.
Classification	

Label Symbols

C



Risk & safety Phrases	Causes severe burns. Keep locked up and out of reach of children. Do not breath dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately (show the label).
EEC Number	215-236-1

16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC. The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.
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16. Other Information (continued)

Revision Date: 19/11/03.

Data reviewed and PDF file generated: 07/06/04.

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