

Camlab Limited – Material Safety Data Sheet

1. Identification


Product Code CC/0603-CO

Product Name di-SODIUM HYDROGEN ORTHOPHOSPHATE 12H₂O pure

Molecular Formula Na₂HPO₄·12H₂O =358.14

CAS Number 7558-79-4

Supplier: **CAMLAB LIMITED**
Norman Way Industrial Estate
Over
Cambridge
England
CB4 5WE



Phone 01954 233110

Fax 01954 233101

Emergency Telephone 08:00-17:00 01954 233110
24hr 112
(Have this document to hand)

2. Composition

No hazardous components

3. Hazards Identification

Not considered harmful

4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

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 Consider what other flammable materials are present and act accordingly.

Media

Unsuitable Nothing specified.

Media

6. Accidental Release Measures

Personal Presents no major hazards.

Protection

Enviromental Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

6. Accidental Release Measures (continued)

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 to a minimum.
Storage Conditions	Well ventilated, cool, dry storage .

8.1 Workplace Exposure Limits

No prescribed exposure limits available

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 splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

9. Physical & Chemical Properties

Appearance	Colourless crystals or white powder.
Odour	No specific odour.
pH	9 (1% solution)
Boiling point	Not available
Melting point	884.0 °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 Pressure	Not available
Relative Density	Not available
Water Solubility	8%

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific conditions.
Materials to Avoid	No specific materials to avoid.
Hazardous Decomposition Products	May produce hazardous fumes if involved in a fire.

11. Toxicological Information

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	Presents no significant hazard by skin contact.
LD50 Skin	Not available
Ingest	Presents no significant hazard by ingestion.
LD50 Ingest	Oral rat 17g/Kg
Inhalation	Presents no significant health hazard by inhalation.

11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.
Other Information	Used in the food industry.

12. Ecological

No specific environmental hazard.

13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water.

14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

15. Regulatory Information

Labelling	None
Classification	
Label Symbols	None
Risk & safety Phrases	None
EEC Number	231-448-7

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.

Revision Date: 30/08/95.

Data reviewed and PDF file generated: 17/03/10.

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