

Camlab Limited – Material Safety Data Sheet

1. Identification


Product Code CC/1947-CH

Product Name **SODIUM DIHYDROGEN ORTHOPHOSPHATE 2H₂O pure**

Molecular Formula **NaH₂PO₄·2H₂O =156.01**

CAS Number **13472-35-0**

Supplier: **CAMLAB LIMITED**



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(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 Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

6. Accidental Release Measures (continued)

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 .

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 4 @ 20 °C

Boiling point Not available

Melting point Not available

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 1.9100 °C

Water Solubility Very soluble in water.

10. Stability & Reactivity

Chemical Stability Stable under normal conditions

Conditions to Avoid No specific conditions.

Materials to Avoid No specific conditions.

Hazardous May produce hazardous fumes if involved in a fire.

Decomposition Products

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 Ingestion of large amounts may cause diarrhoea, nausea, vomiting, hyperpnoea and convulsions.

LD50 Ingest Not available

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.

12. Ecological

Small amounts present no specific environmental hazard.

13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste. Dispose of to a licensed land fill site.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

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 Classification	None
Label Symbols	None
Risk & safety Phrases	None
EEC Number	231-449-2

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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