

# Camlab Limited – Material Safety Data Sheet

## 1. Identification

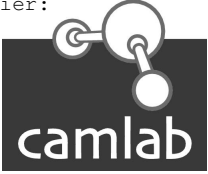
Product Code CC/0617-DJ

Product Name **tri-SODIUM ORTHOPHOSPHATE 12H<sub>2</sub>O pure**

Molecular Formula **Na<sub>3</sub>PO<sub>4</sub>.12H<sub>2</sub>O =380.12**

CAS Number 10101-89-0

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



Phone 01954 233110

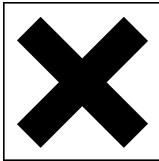
Fax 01954 233101

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

## 2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Tri-sodium orthophosphate	10101-89-0	231-509-8	100.0%	Xi : R36/37/38	N/A

## 3. Hazards Identification



Irritating to eyes, respiratory system and skin.

## 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 Presents no specific fire danger.

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

Unsuitable Media Nothing specified.

## 6. Accidental Release Measures

Personal Protection Presents no major hazards.

Environmental 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                White crystalline powder or granules.  
Odour                        No specific odour.  
pH                            12 @ 20 °C  
Boiling point                Not available  
Melting point                75.0 °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            21%

## 10. Stability & Reactivity

Chemical Stability         Stable under normal conditions

Conditions to Avoid        No specific conditions.

Materials to Avoid         No specific conditions.

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

LD50 Ingest                Oral rat 7400mg/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.

## 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.

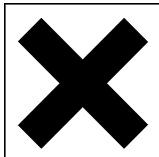
## 14. Transport Information

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 Classification Irritant.

Label Symbols Xi



Risk & safety Phrases Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

EEC Number 231-509-8

## 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: 19/08/03.

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

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