

# Camlab Limited – Material Safety Data Sheet

## 1. Identification


Product Code CC/0628-DA

Product Name **SODIUM TETRABORATE 10H<sub>2</sub>O pure**

Molecular Formula **Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>·10H<sub>2</sub>O =381.37**

CAS Number **1330-96-4**

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## 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. 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.

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 powder.
Odour	No specific odour.
pH	9 (1 % solution)
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	1.7300 °C
Water Solubility	4.7%

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific conditions.
Materials to Avoid	Strong oxidising agents.
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	The solid and solutions may be irritating to the skin. Repeated exposure may cause dermatitis.
LD50 Skin	Not available
Ingest	Toxic if swallowed, severe vomiting, diarrhoea, shock and death of young children has been reported following ingestion of 5-10g. The lowest lethal dose in man is 709mg/Kg.
LD50 Ingest	Oral rat 5660 mg/Kg
Inhalation	Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.

## 11. Toxicological Information (continued)

Reproductive Effects      None identified.

## 12. Ecological

LC50, 24hr, Dab 74 mg/l; LC50 24hr, Daphnia 242 mg/l; EC50, 10 hr Algae 24 mg/l.

## 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      Do not breath dust. Avoid contact with skin and eyes.

EEC Number                 215-540-4

## 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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