

Camlab Limited – Material Safety Data Sheet

1. Identification


Product Code CC/0618-CO

Product Name **SODIUM PERBORATE 4H₂O pure**

Molecular Formula **NaBO₃.4H₂O =153.86**

CAS Number **10486-00-7**

Supplier: **CAMLAB LIMITED**



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Cambridge
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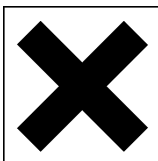
Fax **01954 233101**

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24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Sodium perborate	10486-00-7	231-556-4	> 97.0%	Xi : R36	N/A

3. Hazards Identification



Irritating to eyes.

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 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 Nothing specified.

6. Accidental Release Measures

Personal Protection Presents no major hazards.

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 Store in a suitable area for oxidising agents. Do not store on wooden surfaces. Protect against moisture to prevent decomposition. Keep well separated from combustible materials.

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 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 A strong oxidising agent.
Vapour Pressure Not available
Relative Density Not available
Water Solubility 2.5%

10. Stability & Reactivity

Chemical Stability Stable under normal conditions but decomposes to liberate oxygen on heating or contact with water.
Conditions to Avoid Decomposes on exposure to moist air or water and at temperatures above 60C
Materials to Avoid Reducing agents. Water. Heavy metals and their salts.
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 Oral rat 1200mg/Kg

11. Toxicological Information (continued)

Inhalation	Presents no significant health hazard by inhalation.
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

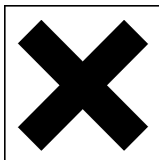
Proper Shipping Name	Oxidising solid n.o.s.
UN Number	1479
UN Classification	5.1 Oxidising agent
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Transport Category	3
Marine pollutant	No
ADR Hazard ID	50



15. Regulatory Information

Labelling	Irritant.
Classification	

Label Symbols Xi



Risk & safety Phrases Irritating to eyes. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EEC Number 231-556-4

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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