

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/1335-CH

Product Name **POTASSIUM BROMATE pure**

Molecular Formula **KBrO₃=167.00**

CAS Number **7758-01-2**

Supplier: **CAMLAB LIMITED**

**Norman Way Industrial Estate
Over
Cambridge
England
CB4 5WE**

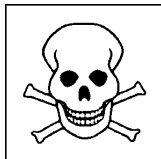
Phone **01954 233110**
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24hr 112
(Have this document to hand)

2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Potassium bromate	7758-01-2	231-839-8	> 99.0%	T O : R9,R25,R45 :Carc.Cat 2	N/A

3. Hazards Identification



Explosive when mixed with combustible material. Toxic if swallowed. May cause cancer. Carcinogen category: 2

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. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest.

Ingestion If conscious give plenty of water to drink. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION URGENTLY.

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. Mixtures with combustible materials are flammable. Mixtures with finely divided combustible materials can react explosively.

Extinguishing Media Water spray.

Unsuitable Media Nothing specified.

6. Accidental Release Measures

Personal Protection	Avoid breathing dust-wear respiratory protective equipment. Use approved personal protective equipment. Do not allow other people to enter area. Do not allow general use of area until it is safe to do so.
Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
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 . Store in a suitable area for oxidising agents. Keep well separated from combustible materials.

8.1 Workplace Exposure Limits

No prescribed exposure limits available

8.2 Personal Protection

Respiratory	Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum.
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	Not available
Boiling point	Not available
Melting point	430.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	A strong oxidising agent.
Vapour Pressure	Not available
Relative Density	Not available
Water Solubility	8%

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	Do not allow to impregnate wood or other organic materials.
Materials to Avoid	Combustible materials, flammable material, many other sources of contamination. Reducing agents. Metal powders.
Hazardous Decomposition Products	Decomposes to form flammable oxygen and toxic, irritant bromine fumes.

11. Toxicological Information

Eyes	Contact with the solid or dust will be irritating to the eyes.
Skin	Contact with the solid or dust will be irritating to the skin.
LD50 Skin	Not available
Ingest	Toxic if swallowed. Ingestion will cause severe internal irritation and damage, nausea, vomiting, abdominal pains and diarrhoea. Ingestion of large amounts may cause liver and kidney damage.
LD50 Ingest	Oral Rat 321mg/Kg
Inhalation	Symptoms will be similar to those following ingestion.
Carcinogenicity	Carcinogen - category 2. Has been found to cause cancer in laboratory animals.
Mutagenicity	No information is available.
Reproductive Effects	None identified.

12. Ecological

Low levels are readily bio-degraded in the environment. Higher levels are toxic to marine and plant life.

13. Disposal Considerations

Disposal Methods	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	Potassium Bromate
UN Number	1484
UN Classification	5.1 Oxidising agent
Subsidiary Risk	None
Flash Point	Not available
Packing Group	II
Transport Category	2
Marine pollutant	No
ADR Hazard ID	50



15. Regulatory Information

Labelling	Toxic, Oxidising.
Classification	

Label Symbols	T		O	
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Risk & safety Phrases	Explosive when mixed with combustible material. Toxic if swallowed. May cause cancer. In case of accident or if you feel unwell, seek medical advice immediately (show the label). Avoid exposure - obtain special instruction before use. Carcinogen category: 2
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EEC Number	231-839-8
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16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.
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16. Other Information (continued)

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

Revision Date: 26/06/06.

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