

Product Code	CB1854-54		
Product Name	BARIUM PEROXIDE pure		
Molecular Formula	BaO_2 =169.33		
CAS Number	1304-29-6		
Supplier:	BEECROFT & PARTNERS		
	Northfield Road Rotherham South Yorkshire		
Phone	01709-377881		
Fax	01709-369264		
Emergency Telephone	08:30-1700 24hr (Have this document to hand)		01709-3

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Barium compounds	513-77-9	208-167-3	> 88.0%	O Xn : R22	OES

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Contact with combustible material may cause fire. Harmful by inhalation and if swallowed.

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.
Skin	Wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.
Inhalation	Remove from exposure. Keep warm and at rest. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.
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.

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	Foam, dry powder, carbon dioxide or vaporising liquids.
Unsuitable Media	Do not use water jet.

6. Accidental Release Measures

Personal Protection	Evacuate area immediately. Avoid breathing dust.
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	Shovel/sweep up into container for removal 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 Occupational Exposure Limits

Component	CAS No	Occupational Exposure Standard				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m-3	ppm	mg m-3	ppm	mg m-3	ppm	mg m-3
Barium compounds	513-77-9	-	0.5000	-	-	-	-	-	-

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	Greyish-white/dull yellow, heavy powder.
Odour	No specific odour.
pH	Not available
Boiling point	Not available
Melting point	450.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	Can form explosive mixtures with organic matter.
Oxidising Properties	A strong oxidising agent.
Vapour Pressure	Not available
Relative Density	Not available
Water Solubility	Sparingly soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions but starts to decompose at 700C liberating oxygen.
Conditions to Avoid	Hot surfaces and naked flames.
Materials to Avoid	Water. Alkalis. Hydrogen sulphide, powdered metals and reducing agents. Strong oxidising agents. Many organic compounds. Combustible materials.
Hazardous Decomposition Products	Decompose with release of flammable oxygen gas.

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. May cause burns on prolonged contact.
LD50 Skin	Not available
Ingest	Harmful if swallowed. Causes immediate irritation of the mouth, throat and gastro-intestinal tract.
LD50 Ingest	Not available
Inhalation	Inhalation of dust will produce irritation of the eyes, nose, throat and respiratory tract. May cause sensitisation by dust inhalation.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	No information is available.
Reproductive Effects	None identified.

12. Ecological

Low levels are readily bio-degraded in the environment.

13. Disposal Considerations

Disposal Methods	Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
Contaminated Packaging	Wash out containers with water.

14. Transport Information

Proper Shipping Name	Barium peroxide
UN Number	1449
UN Classification	5.1 Oxidising agent
Subsidiary Risk	6.1 Toxic
Flash Point	Not available
Packing Group	II
Marine pollutant	No
ADR Hazard ID	56



15. Regulatory Information

Labelling	Oxidising, Harmful.
Classification	

Label Symbols	O		Xn	
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Risk & safety Phrases	Contact with combustible material may cause fire. Harmful by inhalation and if swallowed. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing.
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EEC Number	215-128-4
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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.

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