

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information:

Product Name : Barium Carbonate
Chemical Name : Barium Carbonate
Synonyms : None
Company : CTM Potters Supplies
Unit 10A, Millpark Industrial Estate
White Cross Road
Woodbury Salterton
Nr. Exeter
EX5 1EL
Telephone : 01395-233-077
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	EC Number	% of composition
Barium Carbonate	513-77-9	2081673	95-100%

3. HAZARD IDENTIFICATION

Inhalation: Excessive exposure may cause damage to lungs and kidneys.
Ingestion: Excessive exposure may cause severe abdominal pains, nausea, vomiting, tremors and diarrhoea.
Eyes: Excessive exposure may cause severe irritation due to alkalinity.
Skin: Excessive exposure may cause severe irritation due to alkalinity.

4. FIRST AID MEASURES

General Recommendations:

Inhalation: Remove patient to fresh air, loosen tight clothing and seek medical attention.
Ingestion: Do not induce vomiting. Seek medical advice.
Advice for medical personnel only – slowly give 10ml of 10% Na₂SO₄ orally repeated every 15 minutes to alleviate poisoning symptoms.
Eyes: Wash immediately with copious amounts of water.
Skin: Wash affected areas with water.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Those suitable for surrounding fire conditions.
Special exposure hazards: In the event of fire the product may emit harmful or toxic fumes.
Protective personal equipment: Self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Leaks & Spills:	Use suitable vacuum equipment where reasonably practicable. Otherwise, damp down and scoop into a receptacle. Do not wash into watercourses, sewer or drains.
Personal protective equipment:	Respiratory protective equipment.

7. HANDLING AND STORAGE

Handling:	Do not eat, drink, or smoke in areas where the material is used. Wash thoroughly after handling the material.
Storage:	Store in dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Barium Carbonate	Lt – mg/m³
Barium Carbonate	0.5 mg/m ³
	4 mg/m ³
	resp. dust
Engineering controls:	Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is normally recommended.
Personal protective equipment:	Where LEV is not practicable and exposure is likely to be excessive, approved respiratory protection to CEN standards prEN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	powder
Colour:	white
Odour:	odourless
Flash point (°C):	N/A
Flammability:	N/A
Explosive properties:	Non-explosive
Oxidising properties:	None
Specific gravity:	4.4
pH value:	>7 (alkaline but sparingly soluble in water)
Melting point (°C):	Decomposes at 1360°C

10. STABILITY AND REACTIVITY

Chemical stability:	The material is stable
Conditions/materials to avoid:	Heat, sparks, flames, moisture, acids.
Hazardous decomposition products:	None known
Hazardous polymerization products:	None

11. TOXICOLOGICAL INFORMATION

Acute toxicology:	LD50 Oral: 410-800 mg/kg (oral rat)
	LD50 Dermal: Not known
	LD50 inhalation: Not known
Health effects:	Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product bio concentrates but does not bio accumulate.
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Persistence: Sparingly soluble in water, forms a cloudy suspension, can generate a persistent 200ppm soluble barium.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with current waste disposal regulations (for UK – Control of Pollution (Special Waste) Regulations 1980). Landfill is the most appropriate method.

14. TRANSPORT INFORMATION

UN/ST No.		1564
UN Class		6.1
Packing Group		III
Road	UK	Poison
	ADR	Item code 60 ^o (C)
Sea	IMO	IMDG page 6079
Air	ICAO	IMDG page 6079

15. REGULATORY INFORMATION

EC Supply Labelling:	Harmful		
R-Phrases:	R22	harmful if swallowed.	
S-Phrases:	S24/25	avoid contact with skin and eyes.	
	S60	this material and its container must be disposed of as hazardous waste.	
UK Occupational exposures limits*:	Mg/m ³	8 hr TWA	% in product.
Barium compounds (as Ba)	0.5		70

*Refer to HSE Guidance note EH40

In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.

16. OTHER INFORMATION

References:

COSHH ACOP	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994
CHIP 96	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996
CHIP SDS ACOPS	HSC Approved Code of Practice for Safety Data Sheets in accordance with regulation 6 of the CHIP regulations.
HSE EH40	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSH regulations.

Further information:

Data sheet producing department: CTM Potters Supplies
Telephone: 01395-233-077

Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.