



SAFETY DATA SHEET

BARIUM SULPHATE

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

PRODUCT NAME: BARIUM SULPHATE
PART No.: RM027
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
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2. COMPOSITION/INFORMATION ON INGREDIENTS:

EEC (EINECS) No. 231-784-4
CAS No.: 7727-43-7

3. HAZARDS IDENTIFICATION:

Not regarded as a health hazard under current legislation.

Avoid exposure to dust.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Remove affected person from exposure, rest and keep warm. If recovery not rapid or complete seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Obtain medical attention if adverse symptoms occur.

SKIN: Wash affected area with plenty of soap and water.

EYES: Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use extinguishing media suitable against surrounding fire or the cause of fire.
HAZARDOUS COMBUSTION PRODUCTS:	Noxious or toxic vapours may be released in fire situation.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing. Avoid breathing dust.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Vacuum or wet-sweep and place into a suitable closable, labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Avoid creating or raising dust. Ensure good ventilation and local exhaust extraction in work place.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
BARIUM SULPHATE	7727-43-7	OES	10 mg/m ³	

INGREDIENT COMMENTS:	Above quoted exposure limit refers to total inhalable dust; corresponding value for respirable dust is 4 mg.m ³ .
VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.
PROTECTIVE GLOVES:	Use impervious gloves.
EYE PROTECTION:	Use eye protection.
OTHER PROTECTION:	Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	White powder.	
ODOUR/TASTE:	Odourless or no characteristic odour.	
MELT/FREEZ. POINT (°C, interval):	mp - 1580°C	
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 4.5	Temperature (°C):
SOLUBILITY DESCRIPTION:	Insoluble in water.	

10. STABILITY AND REACTIVITY:

STABILITY: Stable under normal conditions of use.

MATERIALS TO AVOID: Aluminium powder (at high temperatures) and phosphorus.

HAZARDOUS DECOMP. PRODUCTS: Thermal decomposition may release noxious, toxic or corrosive gases or vapours.

11. TOXICOLOGICAL INFORMATION:

TOXICOLOGICAL INFORMATION: Since the substance is poorly absorbed, no systemic effects are to be anticipated.

OTHER HEALTH EFFECTS: Has been found to cause cancer in laboratory animals.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION: Not regarded as dangerous for the environment.

MOBILITY: Insoluble in water. (can be separated from aqueous systems by sedimentation and/or filtration techniques).

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: No specific disposal method required. Disposal should be in accordance with the principles of Duty of Care observing local and national regulations.

14. TRANSPORT INFORMATION:

GENERAL: Not classified as hazardous for transport.

15. REGULATORY INFORMATION:

COMMENTS: This product does not require classification, however the following is suggested for supply - Avoid breathing dust.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY : MK

SDS No.: 043

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.