



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : B 10829
Product Name : BARIUM SULPHATE

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Blane fixe
CAS-No : 7727-43-7
Ec-Index No. : ---
Molar Mass : 233.40
EC-No. : 231-784-4
Molecular Formula : BaO₄ S

3. HAZARDS IDENTIFICATION

No evaluative data are available. A classification according to categories of danger as specified in Directive 67/548/EEC & laid down in the legislation of the country concerned can therefore not be made. In this context, hazardous properties can therefore not be excluded.

4. FIRST AID MEASURES

After inhalation : fresh air.
After skin contact : wash off with water.
After eye contact : rinse out with water.
After swallowing (large amounts) : Consult doctor if feeling unwell.



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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to material stored in the immediate neighbourhood.

Special risks : Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire : Sulphur Oxides.

Other information : Non-combustible.

6. ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures : Avoid generation of dusts; do not inhale dusts.

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area.

Environmental-protection measures : Do not allow to enter sewerage system.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry.

Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.

Eye Protection : Required

Hand Protection : Not Required

Industrial hygiene : Wash hands after working with substance.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid
Colour	: White
Odour	: Odourless
pH value at 50 g/l H ₂ O (20° C)	: ~7 (slurry)
Melting temperature	: 1580° C
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not applicable
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: Not available
Density (20° C)	: 4.5 gm/cm ³
Bulk Density	: ~700 kg/m ³
Solubility in Water (20° C)	: <0.01 gm/lit. Insoluble
Thermal decomposition	: >1400° C

10. STABILITY & REACTIVITY

Conditions to be avoided : Strong heating
Substances to be avoided : Aluminium in powder form (heat), phosphorous.
Hazardous decomposition products : In the event of fire : Sulphur Oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not available.

Further toxicological information: Since the substance is poorly absorbed, no hazardous properties are to be anticipated. The literature & our own experience have not revealed any hazardous properties.



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12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Further ecologic data : Due to the poor solubility of the product, no harmful effect on plants and/or aquatic organisms are to be expected when handled & used with due care and attention.

11. DISPOSAL METHOD

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws & regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION : Not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : ---

R-phrases : ---

S-phrases : ---

Water pollution class : 0 (generally nonpolluting substance)



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16. OTHER INFORMATION

Reason for alteration

General update.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
