



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : M 10329  
Product Name : MAGNESIUM 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

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Bitter Salt; Epsom Salt  
CAS-No : 10034-99-8 Ec-Index No. : -----  
Molar Mass : 246.48 EC-No. : 231-298-2  
Molecular Formula : MgO S\*7H O

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**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.

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**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 materials 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.

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**6. ACCIDENTAL RELEASE** : 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.

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**7. HANDLING AND STORAGE** : Handling : No further requirements.

Storage : Tightly closed. Dry.

Storage temperature : No restrictions.

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**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	: Colourless
Odour	: Odourless
pH value at 50gm/lit. H <sub>2</sub> O (20 ° C)	: 5.5 - 6.5
Melting temperature	: Not available
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not available
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: Not available
Density (20 ° C)	: 1.62 gm/cm <sup>3</sup>
Bulk density	: ~900 gm/cm <sup>3</sup>
Solubility in Water (20 ° C)	: 710 gm/lit.
Thermal decomposition	: >150 ° C

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## 10. STABILITY & REACTIVITY

Conditions to be avoided : Heating

Substances to be avoided : No information available

Hazardous decomposition products :

No information available

Further information :

Release water of crystallization when heated.

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## 11. TOXICOLOGICAL INFORMATION

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

Further toxicological information :

Therapeutically used substance. Toxic effects are only to be expected at very high doses.



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After swallowing : Nausea, vomiting, diarrhoea.

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

Further ecologic data: The following applies to magnesium compounds in general : lethal for fish 100-400 mg/lt.

The following applies to sulphate in general :  
biological effects : fish toxic as from 7 gm/lt.;  
bacteria : toxic as from 2.5 gm/lt.

No ecological problems are to be expected when the product is handled and used with due care and attention.

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**13. 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 and 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.

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**14. TRANSPORT INFORMATION** : Not subject to transport regulations.

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### **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.

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