



# SAFETY DATA SHEET

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

Catalogue No. : M 71529  
Product Name : MAGNESIUM CHLORIDE A.R

### 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

CAS-No : 7791-18-6 Ec-Index No. :  
Molar Mass : 230.30 EC-No. : 232-094-6  
Molecular Formula :  $Mg Cl_2 \cdot 6H_2 O$

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**3. HAZARDS INDEX** : According to the evaluative data available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned is not required.

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**4. FIRST AID MEASURES** : After inhalation : fresh air.

After skin contact : wash off with plenty of water.

After eye contact : rinse out with plenty of water.

After swallowing : make victim drink plenty of water.  
induce vomiting. Summon doctor if feeling unwell.

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**5. FIRE-FIGHTING MEASURES** : Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.



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Special risks : Ambient fire may liberate hardous vapours.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus

Other information : Non-combustible.

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## 6. ACCIDENTAL RELEASE MEASURES

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

Clean up affected area

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

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## 7. HANDLING AND STORAGE : Handling - Store protected from solvents.

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 : required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing.

Wash hands after working with substance.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid
Colour	: Colourless
Odour	: odourless
pH value at 50 g/l H <sub>2</sub> O (20 ° C)	: 5.0 - 6.5
Melting temperature	: ~ 117 ° C (decomposition)
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)	: ~ 1.57 gm/cm <sup>3</sup>
Solubility in Water (20 ° C)	: 1670 gm/lt.
Water (100 ° C)	: 3670 gm/lt.
Thermal decomposition	: > 117 ° C

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**10. STABILITY AND REACTIVITY** : Conditions to be avoided : No information available

Substances to be avoided : No information available

Hazardous decomposition products : in the event of fire : Chlorine, Hydrochloric Acid

Further information : Releases water of crystallization when heated.

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## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD<sub>50</sub> (oral, rat) : 8100 mg/Kg :

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Further toxicological Information :

After inhalation of dusts : Slight mucosal irritations.

After inhalation of vapours : Metal-flume fever after  
inhalation of large quantities.

After skin contact : Slight irritations

After eye contact : Slight irritations

After swallowing of large amounts :

Nausea, vomiting, diarrhoea.



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Systemic effects : Drop in blood pressure, cardiac dysrhythmia, muscular weakness, paralysis symptoms, tiredness.

After absorption of large quantities :

Respiratory paralysis, cardiovascular failure.

Further data : No toxic effects are to be expected when the product is handled appropriately. The product should be handled with the care usual when dealing with chemicals.

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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/l.

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 : 1 (slightly polluting substance)

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## 16. OTHER INFORMATION

Reason for alteration

Change in storage temperature.

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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