

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

Catalogue No : M 11725

Product Name : Magnesium Hydroxide

Manufacture / Supplier Identification Company : **Nice Chemicals (P) Ltd.**,
PB No: 2217, Manimala Road,
Edappally, Kochi - 682 024, Kerala, India.

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :

CAS - No : 1309-42-8

Molar Mass :

Molecular Weight : 58,32 g/mol

Molecular Formula : H_2MgO_2

EC - INDEX No :

EC - No :

3 HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EU] : Skin irritation (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)

Classification according to Regulation (EC) Directives 67/548/EEC or 1999/45/EC : Irritating to eyes, respiratory system and skin.

Label Elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram :



Signal word :

Warning

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Hazard statement (s)

H315	:	Causes skin irritation
H319	:	Causes serious eye irritation
H335	:	May cause respiratory irritation.

Precautionary statement (s)

P261	:	Avoid breathing dust/fume/gas/mist/vapors/spray.
P305 + P351 + P338	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

According to European Directive 67/548/EEC as amended.

Hazard symbol (s)	:	X
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R - phrase (s)

R36/37/38	:	Irritating to eyes, respiratory system and skin.
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S-phrase (s)

S26	:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Other Hazards	:	none

4 FIRST AID MEASURES

After Inhalation	:	If breathed in, move person into fresh air, If not breathing, give artificial respiration.
After skin contact	:	Wash off with soap and plenty of water.
After eye contact	:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After swallowing	:	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most Important symptoms and effects, both acute and delayed	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Indication of any immediate medical attention and special treatment needed	:	no data available

5 FIRE - FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	:	Magnesium oxide



SAFETY DATA SHEET

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Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further Information : No data available

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust information. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental-protection : Do not let product enter drains.

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end users : no data available

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Compnents with workplace control parameters

Exposure Controls

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard FN 374 derived from it

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Body Protection : Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection : For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Form : Powder Colour : White
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	9.5 - 10.5
Melting Point/Freezing point	:	Melting point/ range: 350 °C - lit
Initial Boiling point and boiling range	:	No data available
Flash Point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or explosive limits	:	No data available
Vapour Pressure	:	No data available
Vapour Density	:	No data available
Relative density	:	2.360 g/cm ³
Water solubility	:	insoluble
Partition coefficient: octanol/water	:	No data available
Autoignition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

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Other Safety information	:	No data available
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10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Conditions to be avoided	:	No data available
Substance to be avoided	:	No data available
Hazardous decomposition products	:	Other decomposition products - no data available
Possibility of hazardous reactions	:	No data available
incompatible materials	:	Strong oxidizing agents, Strong acids

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	:	LD50 Oral - rat - 8.500 mg/kg
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Further toxicological Information

Carcinogenicity	:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable. Possible or confirmed human carcinogen by IARC.
Eye Irritation test (rabbit)	:	Moderate eye irritation
Respiratory or skin Sensitization	:	No data available
Germ cell mutagenicity	:	No data available
After Inhalation	:	may be harmful if inhaled, May cause respiratory tract irritation.
After Ingestion	:	May be harmful if swallowed.
After Skin contact	:	May be harmful if absorbed through skin. May cause skin irritation.
After swallowing	:	No data available
After swallowing of large amounts	:	No data available
Further data	:	No data available
Reproductive toxicity	:	No data available
Specific target organ toxicity-single exposure	:	Inhalation - May cause respiratory irritation.



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Specific target organ toxicity-repeated exposure	:	No data available
Signs and symptoms of Exposure	:	To the best of our knowledge, the chemical, physical, and toxicological properties have been thoroughly investigated.
Additional Information	:	RTECS: OM3570000

12 ECOLOGICAL INFORMATION

Toxicity	:	No data available
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Results of PBT and vPvB assessment	:	No data available
Other adverse effects	:	No data available

13 DISPOSAL METHOD

Waste treatment methods

Product	:	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	:	Dispose of as unused product.

14 TRANSPORT INFORMATION

UN number	:	ADR/RID: - IATA: -	IMDG: -
UN Proper shipping name	:	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods	
Transport hazard class(es)	:	ADR/RID: - IATA: -	IMDG: -
Packaging group	:	ADR/RID: - IATA: -	IMDG: -



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Environmental group	:	ADR/RID: - no IMDGMarine pollutant: no IATA: -no
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Special precaution for user	:	No data available
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15 REGULATORY INFORMATION

This safety datasheet compiles with the requirements of Regulation (EC) No. 1907/2006

Safety, health and environmental regulations/legislation specific for the substance or mixture	:	No data available
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Chemical safety assessment	:	No data available
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16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.