

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

Catalogue No : M 10925
Product Name : Magnesium bromide
Nice Chemicals (P) Ltd., PB No: 2217,
Manufacutre / Supplier Identification Company : Manimala Road, Edappally, Kochi - 682 024,
Kerala, India.
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms :
CAS - No : 7789-48-2
Molar Mass :
Molecular weight : 184.11 g/mol
Molecular Formula : Br₂Mg
EC - INDEX No :
EC - No : 232-170-9

3 HAZARDS IDENTIFICATION


Classification of the substance or mixture

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC : Irritating to eyes, respiratory system exposure (Category 3)

Label Elements

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

Pictogram : 
Signal word : Warning
Hazard statement (s)
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H335 : May cause respiratory irritation.

Precautionary statement(s)

P261 : Avoid breathing dust.


P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Supplemental Hazard Statements : none

According to European Directive 67/548/EEC as amended

Hazard symbol (s)	:	
R-phrases(s)	:	
R36/37/38	:	Irritating to eyes, respiratory system and skin.
S-phrases(s)	:	
S26	:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36	:	Wear suitable protective clothing.
Other Hazards	:	none

4 FIRST AID MEASURES

After Inhalation	:	If breathed in, move person into fresh air, If not breathing, give artificial respiration. Consult a physician.
After skin contact	:	Wash off with soap and plenty of water. Consult a physician.
After eye contact	:	Rinse thoroughly with plenty of water for atleast 15 minutes and consult a physician.
After swallowing	:	Never give anything by mouth to an unconscious person. Rinse mouth water. Consult a physician.
Most Important symptoms and effects, both acute and delayed	:	Central nervous system depression, Vomiting, Diarrhoea.
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	:	Hydrogen bromide gas, Magnesium oxide
Advice for firefighters	:	Wear self contained breathing apparatus for fire fighting if necessary.
Further Information	:	No data available.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Avoid dust formation. 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.
		Store under inert gas. Strongly hygroscopic.
Specific end users	:	No data available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter	:	Complements 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.

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The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374 derived from it.

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 respiratory. 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, Chunks Colour : White, light brown
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	No data available
Melting Point/Freezing point	:	711 ° 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	:	3,72 g/cm ³ at 25 °C
Water solubility	:	No data available

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Partition coefficient: noctanol/water	:	No data available
Autoignition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Other Safety information	:	No data available

10 STABILITY AND REACTIVITY

Reactivity	:	No data available
Chemical stability	:	No data available
Conditions to be avoid	:	Avoid moisture.
Substance to be avoided	:	No data available
hazardous decomposition products	:	Other decomposition products - no data
Possibility of hazardous reactions	:	No data available
incompatible materials	:	Strong oxidizing agents

11 TOXICOLOGICAL INFORMATION

Acute Toxicity	:	No data available
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. This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.
Eye Irritation test (rabbit)	:	No data available
After Inhalation	:	No data available
After Skin contact	:	No data available
After swallowing	:	No data available

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After swallowing of large amounts	:	No data available
Further data	:	No data available
Specific target organ toxicity - single exposure	:	Inhalation - may cause respiratory irritation.
Potential health effects		
Inhalation	:	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	:	May be harmful if swallowed.
Skin	:	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	:	Causes serious eye irritation.
Signs and symptoms of Exposure	:	Central nervous system depression, Vomiting, Diarrhoea
Additional Information	:	RTECS: Not available

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: - IMDG: - IATA: -
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Catalogue No	:	M 10925
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UN Proper shipping name	:	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	:	ADR/RID: - IMDG: - IATA: -
Packaging group	:	ADR/RID: - IMDG: - IATA: -
Environmental group	:	ADR/RID: - no IMDGMarine pollutant: no IATA: -no

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
Chemical safety assessment	:	No data available

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.