

SAFETY DATA SHEET

Magnesium Carbonate

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Issued: 22/07/2022
Revision No: 1

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

Product identifiers:

Product name: Magnesium Carbonate

CAS No: 23389-33-5

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Laboratory chemicals, Manufacture of substances

Company name: Nexchem Ltd
Unit 3 Barshaw Park
Leycroft Road
Leicester
LE4 1ET
Tel: 0116 2311130
24/7 Emergency Tel: 0800 246 1274
Email: sales@nexchem.co.uk

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements: The product does not need to be labelled according to EC directives or respective national laws.

Other hazards: None.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Formula: CMgO3 xH2O

Molecular weight: 84,31 g/mol

4. FIRST AID MEASURES

Description of first aid measures:

In case of skin contact: Wash off with soap and plenty of water.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

In case of eye contact: Flush eyes with water as a precaution.

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Most important symptoms and effects, both acute and delayed: No further information available.

Indication of any immediate medical attention and special treatment needed: No data available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special hazards arising from the substance or mixture:

Carbon oxides, Magnesium oxide. Nature of decomposition products not known.

Advice for fire fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions: Do not let product enter drains.

Methods and material for containment and cleaning up:

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s): No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters: No information available.

Exposure controls:

Appropriate engineering controls: General industrial hygiene practice.

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Personal protective equipment:

Respiratory protection:	Respiratory protection is not required. Where protection from nuisance levels of dusts is desired, use type N 95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Body protection:	Choose body protection in relation to its type, to the concentration and amount of dangerous substance, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Skin protection:	<p>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.</p> <p>The selected protective gloves must satisfy the specifications of EU Directive 89/686/EE C and the standard EN 374 derived from it.</p>

Immersion protection:

Material:	Nitrile rubber
Minimum layer thickness:	0.11 mm
Break through time:	> 480 min

Splash protection:

Material:	Nitrile rubber
Minimum layer thickness:	0.11 mm
Break through time:	> 30 min

If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance:	Form: Solid.
Odour:	No data available.
Odour threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available.
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.

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Vapour density:	No data available.
Relative density:	No data available.
Water solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Autoignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.
Other safety information:	No data available.

10. STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible materials:	Strong oxidising agents.
Hazardous decomposition products:	
Other decomposition products:	No data available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:	
Acute toxicity:	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/eye irritation:	No data available.
Respiratory or skin sensitisation:	No data available.
Germ cell mutagenicity:	No data available.
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 IA RC.
Reproductive toxicity:	No data available.
Specific target organ toxicity – single exposure:	No data available.
Specific target organ toxicity – repeated exposure:	No data available.
Aspiration hazard:	No data available.
Potential health effects:	
Inhalation:	Maybe harmful if inhaled. May cause respiratory tract irritation.
Ingestion:	Maybe harmful if swallowed.
Skin:	Maybe harmful if absorbed through skin. May cause skin irritation.
Eyes:	May cause eye irritation.
Additional information:	No data available.

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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 CONSIDERATIONS

Waste treatment methods:
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

UN number: Not regulated for transport.
UN proper shipping name: Not dangerous goods.
Transport hazard class(es): Not applicable.
Packing group: Not applicable.
Environmental hazards:
ADR/RID: No
IMDG: Marine pollutant: No
IATA: -

Special precautions for the user: No data available.

15. REGULATORY INFORMATION

This product safety information sheet complies 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 (CSA): No data available.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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16. OTHER INFORMATION**Acronyms:**

@ - at

< - less than

> - more than

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS – Chemical Abstracts Service

Cat. – Category

CSA – Chemical Safety Assessment

DNEL – Derived No-Effect Level

EC – Effective Concentration

EC OEL – European Commission Occupational Exposure Limit

EINECS - European Inventory of Existing Commercial Chemical Substances

GHS – Globally Harmonized System of Classification and Labelling of Chemicals

H** - Hazard Statements

IATA – International Air Transport Association

IMDG – International Maritime Code for Dangerous Goods

L – Litre

LC50 – Lethal Concentration, 50 percent

LD50 – Lethal dose, 50 percent

m³ – metre cubed

mg – milligram

ml – millilitre

n.o.s. – Not Otherwise Specified

°C – degrees Centigrade

P** - Precautionary Statements

PBT – Persistent, bio accumulative and Toxic

pH – Potential of Hydrogen

PNEC – Predicted No-Effect Level

RID – Regulations Concerning the International Transport of Dangerous Goods by Rail

SDS – Safety Data Sheet

SG – specific gravity

UN – United Nations

vPvB – very Persistent, very Bio accumulative

Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.