

SAFETY DATA SHEET
Magnesium Acetate Tetrahydrate

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Issued: 12/06/2023
Revision No: 1

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

Product identifier:

Product: Magnesium Acetate Tetrahydrate
CAS: 16674-78-5
REACH Registration number: 01-2119991992-18-XXXX

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

Catalyst
Pharmaceuticals

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:

Classification in accordance with Regulation (EC) No 1272/2008 (CLP):

Not a hazardous substance or mixture according to EC directives 67/548/EEC or 1999/45/EC.

Label Elements:

Labelling according to Regulation (EC) No 1272/2008 (CLP): Not applicable

Other Hazards: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

REACH: 01-2119991992-18-XXXX
EINECS: 205-554-9
CAS no. 16674-78-5

4. FIRST AID MEASURES

Description of first aid measures:

- Skin:** Rinse with water.
- Inhalation:** Move to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.
- Ingestion:** Rinse mouth with water. Obtain medical attention.
- Eye:** Rinse with plenty of water. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray, foam, Dry chemical, Carbon Dioxide (CO₂)

Extinguishing media which shall not be used for safety reasons: None.

Special hazards arising from the substance or mixture: None. The product is flammable but not readily ignited.

Advice for fire-fighters: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

- Use personal protective equipment.
- For personal protection see section 8.

Environmental precautions: Try to prevent the material from entering drains or water courses.

Methods and material containment and cleaning up:

- Take up mechanically and collect into suitable containers for disposal.
- After cleaning must be rinsed with plenty of water.

Reference to other sections: Please see section 1 for emergency contact information.
Please see section 8 for Personal Protection Information.
Please see section 13 for Disposal Information.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities:

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	No information available.
Exposure controls:	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation in case of insufficient ventilation, wear suitable respiratory equipment.
Respiratory protection:	Respirator must be worn if exposed to dust. Respirator with a dust filter.
Hand Protection:	
Glove material:	PVC.
Glove material:	Rubber gloves.
Eye protection:	Tightly fitting safety goggles.
Skin and body protection:	Work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Solid crystalline
Colour:	White
Odour:	Odourless
Odour threshold:	No data available
pH:	7 – 10 (5%) (as aqueous solution)
Melting/freezing point:	80°C
Initial boiling point and range:	No data available
Flash point:	No data available
Thermal decomposition:	135°C
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 (SG):	No data available
Solubility:	Water solubility: 1.200kg/m ³ (15°C)
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available

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10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: No data available.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Stable under normal conditions. The product is hygroscopic.

Incompatible materials: No data available.

Hazardous decomposition products: Thermal decomposition 135°C

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: No data available.

Skin corrosion/irritation: Not classified as irritating for skin. Repeated or prolonged exposure may cause mild irritation.

Serious eye damage/irritation: Not classified as irritating for eyes. May cause mild irritation.

Sensitisation: No data available.

Germ cell Mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT – Single exposure: No data available.

STOT – repeated exposure: No data available.

Aspiration hazard: No data available.

Inhalation: Exposure to dust at high concentrations. May cause irritation to respiratory tract.

Ingestion: Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

[cont...]

12. ECOLOGICAL INFORMATION

Toxicity:

Acute toxicity: No data available.

Toxicity to other organisms: No data available.

Persistence and degradability:

Biological degradability: Readily biodegradable

Bioaccumulative potential: No data available.

Mobility in soil:

Water solubility: 1.200 kg/m³ (15°C)

Water soluble. Stays in water phase. Non-volatile

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Product: Dispose of in compliance with local and national regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

UN number: No data available.

UN Proper shipping name: No data available.

Transport hazard class (es): No data available.

Packing group: No data available.

Environmental hazards: Not classified as dangerous material.

Special precautions for the user: No data available.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

The product does not need to be labelled in accordance with EC directives or respective national laws.

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.

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 squared
mg – milligram
ml – millilitre
n.o.s. – Not Otherwise Specified
°C – degrees Centigrade
P** - Precautionary Statements
PBT – Persistent, Bioaccumulative 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 Bioaccumulative

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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.