



SAFETY DATA SHEET

Product Description:

MAGNESIUM SULFATE HOT PACK

Dealmed Medical Supplies
www.dealmed.com

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SECTION 1 — IDENTIFICATION

1.1 GHS PRODUCT IDENTIFIER

Product Name: MAGNESIUM SULFATE HOT PACK

Product Code: Not available

1.2 OTHER MEANS OF IDENTIFICATION

None.

1.3 RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Advised Uses: hot compress

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company Identification: Dealmed Medical Supplies

Address: 3512 Quentin Road, Brooklyn, NY 11234

TEL: 1-800-569-0570

FAX: 718-838-1390

E-mail: support@dealmed.com

1.5 EMERGENCY PHONE NUMBER

TEL: 1-800-569-0570

SECTION 2 — HAZARDS IDENTIFICATION

2.1 GHS Classification

GHS Regulatory Status

This chemical is not considered hazardous by the UN GHS (GHS Rev.10(2023)) .

2.2 GHS Label elements

1) **Signal word:** No signal word.

2) **Hazard pictograms:** No symbol.

3) **Hazard statements:** None

4) **Precautionary Statements - Prevention:** None

5) **Precautionary Statements - Response:** None

6) **Storage:** None

7) **Disposal:** None

2.3 Other hazards which do not result in classification

Not application.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredients	CAS #	%(weight)	ACGIH TLV		OSHA	
			TWA	STEL	PEL	STEL
Magnesium sulphate	7487-88-9	30-70	N/Av	N/Av	N/Av	N/Av
Water	7732-18-5	30-70	N/Av	N/Av	N/Av	N/Av

SECTION 4 — FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Skin Contact: Rinse skin with plenty of water or shower.

Eye Contact: Rinse with plenty of water (remove contact lenses if easily possible).

Ingestion: Rinse mouth. Give one or two glasses of water to drink.

Protection of first-aid: None.

4.2 Most important symptoms/effect, acute and delayed

See section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary

1) **Note to Physicians:** No further relevant information available.

SECTION 5 — FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: In case of fire in the surroundings, use appropriate extinguishing media.

Unsuitable extinguishing media: No information available.

5.2 Specific hazards arising from the mixture: Not application.

5.3 Special protective equipment and precautions for fire-fighters

Special protective equipment: NIOSH-approved positive pressure self-contained breathing apparatus with full-face

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mask and full protective clothing.

Special protective precautions: Fight fires from a safe distance. Evacuate personnel to safe area. Water spray may be useful in cooling equipment exposed to heat and flame.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures:

- ◆ Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
- ◆ Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapors and contacting with skin and eyes.
- ◆ Wear protective clothing, gloves, safety glasses and dust respirator.

6.2 Environmental precautions

Personal protection: particulate filter respirator adapted to the airborne concentration of the substance. Sweep spilled substance into covered containers. If appropriate, moisten first to prevent dusting. Store and dispose of according to local regulations. Wash away remainder with plenty of water.

6.3 Methods and materials for containment and cleaning up:

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

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

SECTION 7 — HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING.

Handling: Ensure good local exhaust ventilation. Handle and open container with care. Keep container closed and away from incompatible substances, food, drink and dust/impurities. Protect from humidity and water. Minimize dust generation and accumulation. Avoid dust contact with eyes. Avoid breathing dust and fume. Avoid ingestion. Remove contaminated clothing and wash before reuse. Empty containers retain product residue. The work area should be equipped with the corresponding species and quantity of fire equipment and leakage emergency equipment.

Information about fire - and explosion protection: Normal measures for preventive fire protection.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Requirements to be met by storerooms and receptacles: Store in a closed container. Store in a cool, dry, and well-ventilated area and keep away from incompatible substances, food, drink and dust/impurities. Inspect regularly for deficiencies such as damage or storage area should be equipped with the corresponding species and quantity of fire

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equipment and leakage emergency equipment. Store protected from moisture.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES: NO FURTHER DATA; SEE ITEM 7.

8.1 Exposure controls

No further relevant information available.

8.2 Appropriate engineering controls

Use mechanical ventilation such as dilution and local exhaust. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Personal protective equipment

8.3.1 Eye/face protection: Wear safety glasses with side shields (or goggles) and a face shield.

8.3.2 Skin protection: Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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 the standard EN 374 derived from it.

8.3.3 Respiratory protection: Wear dust mask when handling large quantities.

8.3.4 Other Protection: Use good hygiene practices when handling this material including changing and laundering work clothing after use. Have a safety shower or eye-wash fountain available. Wash hands thoroughly after handling material.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance (physical state, color, etc.): Anhydrous transparent liquid and white powder

(b) Odor: No information found.

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(c) Odor threshold: No information found.

(d) pH: Neutral to litmus

(e) Melting point: No information found

(f) Initial boiling point and boiling range: No information found.

(g) Flash point: Not application.

(h) Evaporation rate: Not application.

(i) Flammability (solid, gas): No information found.

(j) Upper/lower flammability or explosive limits: No information found.

(k) Vapor pressure: Not application.

(l) Vapor density: No information found.

(m) Relative density: No information found.

(n) Solubility(ies): 300 g/L (20°C)

(o) Partition coefficient: n-octanol/water: No information found.

(p) Auto-ignition temperature: No information found.

(q) Decomposition temperature: No information found.

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity: No information found.

10.2 Chemical Stability: Under normal conditions of temperature and pressure, Magnesium Sulfate Heptahydrate is stable. Loses some moisture on exposure to dry air at room temperature.

10.3 Possibility of hazardous reactions

Hazardous Polymerization: Not expected under prescribed storage and handling conditions. Decomposition may occur at extremely high temperatures.

10.4 Conditions to avoid: Avoid high temperatures, excessive heat, incompatible materials and air (material is hygroscopic).

10.5 Incompatible materials : Potentially explosive reaction when heated with ethoxyethynyl alcohols (e.g., 1-ethoxy-3-

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methyl-1-butyn-3-ol).

10.6 Hazardous decomposition Products: When heated to decomp ... emits toxic fumes of /sulfur oxides/.

10.7 Incompatibilities with Other Materials: No further relevant information available.

SECTION 11 — TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Oral: no data available

Inhalation: no data available

Dermal: no data available

11.2 Carcinogenic status: No information found.

11.3 Other information

Skin corrosion/irritation: No information found.

Serious eye damage/irritation: No information found.

Skin or skin sensitization: No information found.

Germ cell mutagenicity: No information found.

Reproductive toxicity: No information found.

STOT-single exposure: No information found.

STOT-repeated exposure: No information found.

SECTION 12 — ECOLOGICAL INFORMATION

12.1 TOXICITY

No information found.

12.2 PERSISTENCE AND DEGRADABILITY

No information found.

12.3 BIOACCUMULATIVE POTENTIAL

No information found.

12.4 MOBILITY IN SOIL

No information found.

12.5 OTHER ADVERSE EFFECTS

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No information found.

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation: Dispose of in accordance with all applicable Federal, State or provincial, and local regulations.

13.2 Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

13.3 Disposal recommendations

SECTION 14 — TRANSPORT INFORMATION

- (a) UN Number(TDG, ADR, IMDG, IATA): Not applicable.
- (b) UN proper shipping name(TDG, ADR, IMDG, IATA): Not applicable.
- (c) Transport hazard class(TDG, ADR, IMDG, IATA): Non-hazardous for Transport.
- (d) Packing group(TDG, ADR, IMDG, IATA): Not applicable.
- (e) Environmental hazards(Marine pollutant): Refer to section 12.1.
- (f) Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
- (g) Special precautions for user: Not applicable.
- (h)The product is not subject to IMO/IMDG code.
- (i)Storage class (TRGS 510): 13 Non-combustible solids

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

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SECTION 15 — REGULATORY INFORMATION

Component	【EINECS】	【TSCA】	【DSL】	【IECSC】	【NZIoC】	【PICCS】	【KECI】	【AICS】
Magnesium sulphate	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed
Water	Listed	Listed	Listed	Listed	Listed		Listed	Listed

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

SECTION 16 — OTHER INFORMATION

16.1 Reference

[1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.

[2] IARC, website: <http://www.iarc.fr/>.

[3] OECD: The Global Portal to Information on Chemical Substances,

website: http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en.

[4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.

[5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.

[6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.

[7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.

[8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

16.2 Abbreviations and acronyms

UN GHS: United Nations Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980.

DOT: Department of Transportation

DSL: the Domestic Substances List of Canada

EC: European Commission

EPA: Environmental Protection Agency

HMIS: Hazardous Substances Data Bank

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IARC: International Agency for Research on Cancer

Inh: Inhalation

IATA: International Air Transport Association

LC: Lethal Concentration

LD₅₀: Lethal dose, 50 percent kill

MA: Massachusetts

MAC: Maximum allowable concentration

MSHA: Mine Safety and Health Administration

N/Ap: Not Applicable

N/Av: Not Available

NFPA: National Fire Protection Association

NIOSH: US National Institute for Occupational Safety and Health

NTP: US National Toxicology Program

OSHA: US Occupational Safety and Health

PA: Pennsylvania

PEL: Permissible Exposure Limit

RCRA: Resource Conservation and Recovery Act

RI: Rhode Island

RTECS: Registry of Toxic Effects of Chemical Substances

SARA: Superfund Amendments and Reauthorization Act

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16.3 Information on revision

Issue Time: 2024-12-29

Issue Department: Technical department

16.4 Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (GHS Rev.10(2023)) . The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.