



Safety Data Sheet

Instant Hot Pack - Magnesium Sulfate

Section 1. Identification

Product Identifier Instant Hot Pack - Magnesium Sulfate
Synonyms MDS138005; MDS139005; MSD_SDS0045
Manufacturer Stock Numbers MDS138005; MDS139005

Recommended use Hot application for hot therapy.
Uses advised against N/A

Manufacturer Contact Medline
Address 3 Lakes Drive
Northfield, IL, 60093
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification This material is considered not hazardous as defined by OSHA 29 CFR 1910.1200 - Category N/A

Signal Word

Pictogram

Hazard Statements

While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Precautionary Statements

Response	N/A
Prevention	N/A
Storage	N/A
Disposal	N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
7487-88-9	Magnesium Sulfate Anhydrous	10% - 30%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General Information:	If medical attention is required, show this safety data sheet (SDS) to the doctor in attendance.
Primary Routes of Entry:	Eye, Skin, Ingestion, Inhalation
Inhalation:	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance.
Skin Contact:	Take off contaminated clothing and shoes. Wash off with plenty of water for at least 15 minutes and consult a physician if you feel uncomfortable.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if you feel uncomfortable.
Ingestion:	Rinse mouth with plenty of water, make victim drink plenty of water. Do not induce vomiting. Get medical attention if more than 10 grams has been swallowed.
Most important symptoms and effects, both acute and delayed:	No information available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Dry chemical, Carbon dioxide (CO2), Alcohol resistant foam.
Unsuitable Extinguishing Media	N/A
General Information:	Non-flammable liquid

Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards	Combustion of vapor and liquid may produce carbon monoxide, carbon dioxide and other hazardous gases.
Hazardous Decomposition Products:	Magnesium oxide, sulfur oxides.

Section 6. Accidental Release Measures

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 contact with skin or eyes. Wear protective clothing, gloves, safety glasses and dust respirator.
Spill/Leak Procedures:	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 7. Handling and Storage

Protective Measures:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapors or mist.
Measures to prevent fire:	Keep away from heat/sparks/open flames/hot surfaces. Take precautionary measures against static discharges.
Measures to Prevent Aerosol & Dust Generation:	N.A.
Other Precautions:	Wash hands and face after using of the substances. Replace the contaminated clothing immediately. In addition to use mentioned in the first parts, unforeseen other specific end uses.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Magnesium Sulfate Anhydrous	N/A	N/A	N/A
Personal Protective Equipment	N/A			
Respiratory Protection:	Use appropriate respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Recommended Filter Type: Low boiling organic solvent, Type AX, Brown, conforming to EN371.			
Eye Protection:	Tightly fitting safety goggles (approved by EN 166 (EU) or NIOSH (US).			
Skin Protection:	Wear suitable protective clothing.			

Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Other protective clothing or equipment: None.

Section 9. Physical and Chemical Properties

Physical State	N.A.
Color	Granules and liquid
Odor	N.A.
Odor Threshold	N.A.
Solubility	Soluble in water
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N.A.
FP Method	N.A.
pH	N.A.
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Section 10. Stability and Reactivity

Stability: Stable under proper operation and storage conditions.

Conditions to avoid: Incompatible materials, heat, flame and spark.

Incompatibility (Materials to Avoid) No information available.

Hazardous Decomposition or By-Products: Magnesium oxide, sulfur oxides

Hazardous Polymerization: No polymerization.

Section 11. Toxicological Information

Precautionary Statements: If medical attention is required show this safety data sheet (SDS) to the doctor in attendance.

Potential Health Effects: Eye Contact: No information available.

Skin Absorption: No information available.

Inhalation: No information available.

Ingestion: No information available.

Target organs: No information available.

Primary Routes of Exposure: Percutaneous, Inhalation

Potential Effects of Chronic Exposure: No information available.

Irritation/Sensitization: Based on available data, the classification criteria are not met.

Teratogenicity: Based on available data, the classification criteria are not met.

Mutagenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Section 12. Ecological Information

Ecotoxicity: No information available.

Biodegradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Other adverse effects: No information available.

Section 13. Disposal

Waste Disposal Method: Before disposal should refer to the relevant national and local laws and regulation.

Section 14. Transport Information

UN Number N/A

UN Proper Shipping Name Not Regulated

DOT Classification Not Regulated

Packing Group Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	N.A.
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
State Regulations:	N.A.

Section 16. Other Information

Revision Date 1/6/2023

Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS (U.S.A.): Health Hazard 0

HMIS (U.S.A.): Flammability 0

HMIS (U.S.A.): Reactivity 0

National Fire Protection
Association (U.S.A): Health
Hazard 0

National Fire Protection
Association (U.S.A): Fire
Hazard 0

National Fire Protection
Association (U.S.A):
Reactivity 0

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