



Safety Data Sheet

Instant Cold Packs - Calcium Ammonium Nitrate

Section 1. Identification

Product Identifier	Instant Cold Packs - Calcium Ammonium Nitrate		
Synonyms	MDS137000; MDS137020; MDS137080; MDS138000; MDS138010; MDS138055; MDS139000; MDS148055; MDS158055; TAA137000; MSD_SDS0186		
Manufacturer Stock Numbers	MDS137000; MDS137020; MDS137080; MDS138000; MDS138010; MDS138055; MDS139000; MDS148055; MDS158055; TAA137000		
Recommended use	Cold application for cold therapy.		
Uses advised against	N/A		
Manufacturer Contact Address	Medline 3 Lakes Drive Northfield, IL, 60093 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300 CHEMTREC	(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 %
15245-12-2	Calcium Ammonium Nitrate	40% - 60%

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 and skin contact; 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:	Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available)
Eye Contact:	Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Ingestion:	Do not induce vomiting. Gargle with water, get medical attention.
Most Important Symptoms and Effects, Both Acute and Delayed:	No Information Available.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use flooding quantities of water.
Unsuitable Extinguishing Media	Do not use dry chemical, CO2, foam or halogenated-type extinguishers.

General Information: Non-flammable liquid
Flash Point: No information available
Autoignition Temperature: No information available
Unusual Fire and Explosive Hazards: Avoid storage with reducing agents. Avoid any contamination of this material as it is reactive and any contamination is potentially hazardous.
Hazardous Decomposition Products: Nitrogen oxide.

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
	Calcium Ammonium Nitrate	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 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 None.

Equipment:

Section 9. Physical and Chemical Properties
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Physical State	Granules and liquid
Color	N.A.
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	No information available
Boiling Point	No information available
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	No information available
Flammability	N.A.
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	No information available
Vapor Density	No information available

Section 10. Stability and Reactivity

Stability:	Stable under proper operation and storage conditions.
Conditions to avoid:	Melts and decomposes when strongly heated.
Incompatibility (Material to Avoid):	Organic material, oils or charcoals, reducing agent.
Hazardous Decomposition or Byproducts	Nitrogen oxide.
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:	Inhalation: No information available. Eye: No Information available. Skin: 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:	No information available.
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.
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Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not Regulated
DOT Classification	Not Regulated

Packing Group	Not Regulated
DOT:	Not regulated as dangerous goods.
IATA:	Not regulated as dangerous goods.
IMDG:	Not regulated as dangerous goods.

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 2/8/2023

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

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 2

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

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

HMIS (U.S.A.): Reactivity 2

Additional Information The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees