



Safety Data Sheet

INSTANT COLD PACKS - CALCIUM AMMONIUM NITRATE

Section 1. Identification

Product Identifier INSTANT COLD PACKS - CALCIUM AMMONIUM NITRATE
Synonyms MDS13700; MSD_SDS0186 ; TAA137000 ; MDS137020
Manufacturer Stock MDS137000 ; TAA137000 ; MDS137020
Numbers

Recommended use Cold application for cold therapy.
Uses advised against N/A

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

Phone	Emergency Phone	Fax
(800) 633-5460	(800) 424-9300 CHEMTREC	(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Potential Acute Health Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion,
Effects: of inhalation.

Hazard Sorts: None.

Potential Health Effects: Eye: May cause eye irritation.

Skin: May cause skin irritation. Low hazard for usual industrial handling.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation.
Low hazard for usual industrial handling.

Inhalation: May cause irritation of the upper respiratory tract and bronchi.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
7732-18-5	Water	40% - 60%
15245-12-2	Calcium Ammonium Nitrate	40% - 60%

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

Section 4. First-Aid Measures

Inhalation:	Remove to fresh air. Get medical attention if ill effects occur.
Ingestion:	If swallowed, do not induce vomiting, give several glasses of water or milk to drink. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.
Skin Contact:	Wash the affected area with soap and water.
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical advice if irritation persists.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	If substance is not directly involved in the fire, use the best means available to extinguish the fire. If substance is involved in the fire, use plenty of water.
Unsuitable Extinguishing Media	Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand.
Flash Point:	Not applicable.
Autoignition Temperature:	Not Applicable
Explosion Limits, Lower:	Not available
Explosion Limits, Upper:	Not available
	Open doors and windows to give maximum ventilation. Do not allow molten substance to run into drains. Prevent contamination of the substance by oils or other combustible materials. If water container fertilizer enters any drains or watercourse, inform the local authorities immediately. In the event of a fire, wear full protective clothing and approved self-container breathing apparatus, if fumes are being entered.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.
Spill/Leak Procedures:	Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

Section 7. Handling and Storage

General Information:	This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
Storage:	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 equipment and leakage emergency equipment. Store protected from moisture.
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.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Water	N/A	N/A	N/A
	Calcium Ammonium Nitrate	N/A	N/A	N/A
Personal Protective Equipment	N/A			
Exposure Limit:	No exposure limits listed for this product.			
Monitoring Methods:	No information found.			
Engineering Controls:	Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			
Personal Protective Equipment:	Eyes: Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling product. Skin and Clothing: Wear appropriate protective clothing, and gloves to prevent skin contact. Respirators: An appropriate respirator or mask should be used whenever workplace conditions warrant a respirator's use. A full face positive pressure supplied-air respirator or a self contained breathing apparatus should be used when large spilled or fire. Other Protection: To maintain good health habits. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the			

end of the working period.

Section 9. Physical and Chemical Properties

Physical State	White granules
Color	N.D.
Odor	Odorless
Odor Threshold	N.D.
Solubility	Soluble in water
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	No information found
FP Method	No information found.
pH	5.0
Melting Point	100-104°C
Boiling Point	No information found.
Boiling Range	No information found.
LEL	N/A
UEL	N/A
Evaporation Rate	N.D.
Flammability	N.D.
Decomposition Temperature	No information found.
Auto-ignition Temperature	N.D.
Vapor Pressure	No information found.
Vapor Density	No information found.

Molecular Formula: $5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$

Molecular Weight: 1080.71

Section 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.
Reactivity: No information found.
Conditions to Avoid: Incompatible materials, dust generation.
Incompatibilities with Other Materials: Reactive with oxidizing agents.
Corrosivity: Non-corrosive in presence of glass.
Hazardous Polymerization: No.

Section 11. Toxicological Information

Toxicological Information: Oral rat LD50:>2000mg/kg.

Section 12. Ecological Information

Environmental Data: No information found.
Environmental Toxicity: No information found.
Ecological Degradation: Not available.
Biology Degradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Section 13. Disposal

Disposal Considerations: Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of container and unused contents in accordance with state and local requirements.

Section 14. Transport Information

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

Section 15. Regulatory Information

SARA 311/312: N.A.
SARA 302: Not listed.
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 7/24/2018

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

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