Corporate Headquarters
10 Glenshaw Street, Orangeburg, NY 10962
Tel: 845.365.8200 • Fax: 845.365.8201
Toll-Free: 888.DYNAREX

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Safety Data Sheet

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

Product Identifiers: **Dynarex Instant Cold Packs**,
Dynarex Reorder # 4511-4512-4515; CS-36326 thru -36329;
DM-4511 & -4512; FP-4511 thru -4513; PK-4511 thru -4514; SM-4512;
ST-8020; ST-8025; TS-4511 thru -4514

Other means of identification: Instant Cold Therapy Pack

Recommended use of the chemical Instant Cold Pack for thermal therapy

And restrictions on use CAUTION:
• For external use only. Adult supervision recommended.
• Do not puncture. If bag breaks and fluid contacts skin or eyes, immediately flush area with large amounts of water.
• Do not swallow contents. If contents are accidentally swallowed, drink large amounts of water (not milk) and contact a Poison Control Center or physician.
• Cold therapy should not be used by individuals with circulatory problems, unless under the direct supervision of a physician.

Name of the Manufacturer: Dynarex Corporation

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Manufacturer's Address:	10 Glenshaw Street Orangeburg, NY 10962
Emergency Phone No.:	Toll Free: 1-888-DYNAREX Phone: (845) 365-8200 Fax: (845) 365-8201 At other times, contact the local Poison Control Center

SECTION 2. HAZARDS IDENTIFICATION

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Classification

If container is damaged will release a chemical considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

A waterproof package containing small white ammonium nitrate pellets surrounding a small rupturable plastic bag filled with water. Once contents are mixed, the bag will feel cold to the touch. Used as a first aid device. No hazards expected when used per instructions. The hazards described below apply if the packaging is damaged resulting in release of calcium ammonium nitrate solution.

Serious Eye Damage/Eye Irritation	Category 2A
Oxidizing solids	Category 3
Respiratory or Skin Sensitization: **Skin Sens.1**	Respiratory or Skin Sensitization: **Resp. Sens.1**

GHS Label elements, including precautionary statements

Signal Word **Warning** **Danger**

Hazard Statements

- Causes serious eye irritation
- May intensify fire; oxidizer
- May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.



Appearance White; Clear to off white liquid **Physical State** Solid ; Liquid when activated **Odor** Odorless

Precautionary Statements

Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Keep away from heat/sparks/open flames/hot surfaces - No smoking
- Keep/Store away from clothing/ other combustible materials
- Take any precaution to avoid mixing with combustibles
- Wear protective gloves/protective clothing/eye protection/face protection

General Advice

- None

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

Fire

- In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage

- None

Disposal

- Dispose of contents/container to an approved waste disposal plant.

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

No information available.
0% of the mixture consists of ingredient(s) of unknown toxicity.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

List 1, The composition of the product.

Chemical Name	Percent (by weight)	CAS No.	EC#	MITI No.
Calcium Ammonium Nitrate (with crystal water)	≤40%	15245-12-2	Unlisted	-
Water	≧50%	7732-18-5	Unlisted	-

Note: Calcium Ammonium Nitrate (with crystal water) is a compound and its ingredients are listed in List 2.

List 2, TheIngredients of Calcium Ammonium Nitrate

Chemical Name	CAS No	Percent	Hazardous
Calcium Nitrate With Crystal Water	10124-37-5(Anyhdrous)	81%	No
Ammonium Nitrate With Crystal Water	13477-34-4(Tetrahydrate)	7%	No
Crystal water		12%	No

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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: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.
Autoignition temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
If substance is not directly involved in the fire, use the best mans available to extinguish the fire.
If substance is involved in the fire, use plenty of water. Do not use chemical extinguishers or foams or attempt to smother the fire with steam or sand.
Open doors and windows of the store 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 containing fertilizer enters any drains or watercourse, inform the local authorities immediately.

In the event of a fire, wear full protective clothing and approved
Self-contained breathing apparatus, if fumes are being entered.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Spills: 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 specifics 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 correspond species and quantity of fire equipment and leakage emergency equipment.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit: No exposure limit is listed for this product.

Monitoring Methods: No information found.

Engineering Controls: Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing the material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment

- Eyes: Dust service ogles 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 of 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.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: White grannules
Odor: Odorless.
Molecular Formula: $5Ca(NO_3)_2.NH_4NO_3.10H2O$
Molecular Formula: 1080.71
Water Solubility: Soluble in water.
Bulk Density: Normal between 1000-1200kg/m3.
PH: 5.0(1%aqueous solution)
%Volatiles by volume/ 21º C(70F): No information found.
Boiling Point: No information found.
Melting Point: 100-104ºC
Decomposition Temperature: No information found.
Flash Point (closed cup): No information found.
Explosion Limit: No information found.
Vapor Density (Air=1): No information found.
Vapor Pressure: (mm Hg) No information found.
Usage: Physical hot and cold therapy.

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.

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SECTION 12. ECOLOGICAL INFORMATION

Environmental date: No information found.
Environmentla 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 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

Not regulated as a hazardous material for transportation. (TDG;IMDG CODE; IATA DGR)
UN Number: N/A
UN Proper Shipping Name: N/A
UN Classification: N/A
Packing Group: N/A
Packaging Sign: N/A
Transport Fashion: N/A

SECTION 15. REGULATORY INFORMATION

Regulatory Information: Reference to the local, national, US, EU, CA, Japan and international regulations.

SECTION 16. OTHER INFORMATION

Disclaimer:

This Safety Data Sheet, which takes into consideration the requirements of Directive 76/768/EC and subsequent amendments and Directive 1999/45/EC plus subsequent amendments, has been prepared in accordance with Directive (EC) 1907/2006. It is believed to be correct and corresponds to the latest scientific/technical knowledge but all

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