



## Safety Data Sheet (SDS)

No.: 80-2420-0, 80-2421-0, 80-3318-0  
Name: Instant cold pack

Date: 2020-01-01

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### Safety Data Sheet(SDS)

Complies with 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

#### **Regulatory Status:**

This preparation is not classified as dangerous according to U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30.

None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

### **SECTION 1: PRODUCT IDENTIFICATION**

#### **1.1 Product identifier:**

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#### **1.2 Recommended use and restrictions on use:**

Recommended use:  
Cold application for cold therapy

#### **1.3 Supplier's details:**

Dentec Safety Specialists Inc.  
Address: 195B Harry Walker Parkway N., Newmarket, Ontario, Canada L3Y 7B3  
Telephone: 1.888.533.6832

### **SECTION 2: HAZARD IDENTIFICATION**

#### **CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:**

The product is not classified as dangerous according to U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30;  
**The ocular irritation test report (Nucro-Technics' Study No.: 292901-1)**

**GHS LABEL ELEMENTS:** The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### **HAZARD PICTOGRAMS & SIGNAL WORD**

This product is not a hazardous article and need not be labelled

#### **HAZARD-DETERMINING COMPONENTS OF LABELING:**

None

#### **HAZARD STATEMENTS:**

None

#### **PRECAUTIONARY STATEMENTS:**

##### **Prevention**

None

##### **Response**

None

##### **Storage**

None

##### **Disposal**

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None.

**CLASSIFICATION SYSTEM: NFPA DEFINITIONS: 0-LEAST, 1-SLIGHT, 2-MODERATE, 3-HIGH, 4-EXTREEM**

NFPA RATING DIAMOND (SCALE 0-4):

HEALTH=0

FIRE=0

REACTIVITY=2

**HMIS-RATINGS (SCALE 0-4):**

**HEALTH** : 0

**FIRE** : 0

**REACTIVITY**: 2

### SECTION 3: COMPOSITION INFORMATION

**COMPOSITION:** *Mixture consisting of the following components*

IUPAC	Concentration (weight percent, %)	MOLECULAR FORMULA	IDENTIFIERS
Water	40-60	H <sub>2</sub> O	CAS: 7732-18-5
Calcium Ammonium Nitrate	40-60	CaH <sub>4</sub> N <sub>4</sub> O <sub>9</sub>	CAS: 15245-12-2

### SECTION 4: FIRST AID MEASURES

#### DESCRIPTION OF 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:** Primary routes of entry: Eye and skin contact; ingestion; inhalation.

#### AFTER 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.

#### AFTER SKIN CONTACT:

Immediately remove all contaminated clothing, including footwear.

Flush skin and hair with running water (and soap if available).

#### AFTER 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.

#### AFTER SWALLOWING:

Do not induce vomiting. gargle with water, get medical attention.

**MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

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No information available

### SECTION 5: FIRE & EXPLOSION HAZARD DATA

**GENERAL INFORMATION:** Non flammable liquid

**FLASH POINT:** No information available

**AUTOIGNITION TEMPERATURE:** No information available

**EXTINGUISHING MEDIA:** USE FLOODING QUANTITIES OF WATER.

**SPECIAL FIRE FIGHTING PROCEDURES:** DO NOT use dry chemical, CO<sub>2</sub>, foam or halogenated-type extinguishers.

**UNUSUAL FIRE AND EXPLOSION 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

- 1、 Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
- 2、 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.
- 3、 Wear protective clothing, gloves, safety glasses and dust respirator.

#### SPILL AND LEAK PROCEDURES:

- 1、 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.
- 2、 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 3、 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

#### ENVIRONMENTAL PRECAUTIONS:

- 1、 Prevent further leakage or spillage if safe to do so.
- 2、 Do not let product enter drains.



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### SECTION 7: HANDLING & STORAGE

#### PRECAUTIONS FOR SAFE HANDLING & 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 and dust generation

Not applicable

#### 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

**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 EQUIPMENT:** None

### SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

<b>pH:</b>	Not applicable
<b>Boiling Point:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	No information available
<b>Vapor Pressure (mm Hg):</b>	No information available
<b>Vapor Density (AIR = 1):</b>	No information available

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**Evaporation Rate (Butyl Acetate = 1):** No information available  
**Solubility in Water:** Soluble in water  
**Appearance and Odor:** Granules and liquid

### 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 BY-PRODUCTS:** 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.

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**OTHER ADVERSE EFFECTS:** No information available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Before disposal should refer to the relevant national and local laws and regulation.

### SECTION 14: TRANSPORT INFORMATION

#### UN NUMBER

DOT, ADR, IMDG, IATA: Not applicable

#### UN PROPER SHIPPING NAME

DOT: Not applicable

ADR: Not applicable

IMDG, IATA: Not applicable

#### TRANSPORT HAZARD CLASS(ES)

The product is not classified as dangerous according to DOT, ADR, IMDG, IATA

HAZARD LABEL: Not applicable

DOT CLASS : Not applicable

LABEL: Not applicable

ADR CLASS : Not applicable

LABEL: Not applicable

IMDG, IATA CLASS: Not applicable

LABEL: Not applicable

PACKING GROUP: Not applicable

PACKING INSTRUCTION: Not applicable

SPECIAL PROVISIONS: Not applicable

IMDG LIMITED QUANTITY (LQ): Not applicable

EXCEPTED QUANTITIES (EQ): Not applicable

UN MODEL REGULATION:TDG (18th)

ORM-D: Not applicable

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### SECTION 15: REGULATORY INFORMATION

#### US FEDERAL REGULATIONS:

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TSCA (TOXIC SUBSTANCE CONTROL ACT): Listed (Calcium Ammonium Nitrate)  
CERCLA/SARA - HAZARDOUS SUBSTANCES AND THEIR REPORTABLE QUANTITIES: Listed (Calcium Ammonium Nitrate)  
302 EXTREMELY HAZARDOUS SUBSTANCES EPCRA RQS: Listed (Calcium Ammonium Nitrate)  
302 EXTREMELY HAZARDOUS SUBSTANCES TPQS: Listed (Calcium Ammonium Nitrate)  
CERCLA/SARA - 313 - EMISSION REPORTING: Listed (Calcium Ammonium Nitrate)

#### US STATE REGULATIONS:

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CALIFORNIA - 8 CCR SECTION 339 - DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES: No information available.

#### INTERNATIONAL REGULATIONS:

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WATER HAZARD CLASS (GERMANY): Listed (Calcium Ammonium Nitrate)

#### CANADA

DOMESTIC SUBSTANCES LIST (DSL): Listed (Calcium Ammonium Nitrate)

WHMIS - INGREDIENT DISCLOSURE LIST: Listed (Calcium Ammonium Nitrate)



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### SECTION 16: OTHER INFORMATION

**Date of Preparation/Last Revision:** 1/1/20

**FURTHER INFORMATION:** This SDS has been prepared in accordance with: 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

**DISCLAIMER:** The information provided in this Data Safety Sheet has been compiled, in good faith, from our experience and data presented in various technical publications. An SDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be accurate and represents the best information currently available. HOWEVER, STC(Shanghai) Company Limited MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall STC(Shanghai) Company Limited be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if STC(Shanghai) Company Limited has been advised of the possibility of such damages. We reserve the right to update SDS sheets from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.