SAFETY DATA SHEETS
For
Instant cold pack

Samples Name: Instant cold pack

Client Name: Danyang Rapid Aid Hot And Cold Therapy Products Co., Ltd.
Client Address: Glasses Industrial Park, Danfu Road, Danyang, Jiangsu, China
Safety Data Sheet (SDS)

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Safety Data Sheet (SDS)


Regulatory Status:

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:
Instant cold pack

1.2 Recommended use and restrictions on use:
Recommended use:
Cold application for cold therapy

1.3 Supplier’s details:
Manufacturer: Danyang Rapid Aid Hot And Cold Therapy Products Co., Ltd.
Address: Glasses Industrial Park, Danfu Road, Danyang, Jiangsu, China
Telephone: 0511-88013011

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:
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:
Prevention
None
Response
None
Storage
None
Disposal
None.

CLASSIFICATION SYSTEM: NFPA DEFINITIONS: 0-LEAST, 1-SLIGHT, 2-MODERATE, 3-
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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

<table>
<thead>
<tr>
<th>IUPAC</th>
<th>Concentration (weight percent, %)</th>
<th>MOLECULAR FORMULA</th>
<th>IDENTIFIERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>40-60</td>
<td>H₂O</td>
<td>CAS: 7732-18-5</td>
</tr>
<tr>
<td>Calcium Ammonium Nitrate</td>
<td>40-60</td>
<td>CaH₄N₄O₉</td>
<td>CAS: 15245-12-2</td>
</tr>
</tbody>
</table>

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:
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, CO2, 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.
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

pH:  Not applicable
Boiling Point:  No information available
Freezing Point:  No information available
Specific Gravity (H₂O = 1):  No information available
Vapor Pressure (mm Hg):  No information available
Vapor Density (AIR = 1):  No information available
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.

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
SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS:

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:

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

INTERNATIONAL REGULATIONS:

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)
SECTION 16: OTHER INFORMATION

Date of Preparation/Last Revision: 4/01/15

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.

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********** End of Test Report **********