

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	<b>Instant Cold Pack</b>
Intended Use:	Developed as Cold Therapy Pack
Physical Description:	Polyethylene pouch containing encapsulated water and urea (as white crystalline powder)
Supplier:	Nantong HaoChuan Industry Co Ltd. China
Finished product:	MEDICHILL +618 9242 1232 113/396 Scarborough Beach Road Osborne Park Western Australia 6017
Therapeutic Goods Administration Reg No.	156748 Class 1
Poisons Information:	24 hour Poisons Information Phone 13 11 26

## 2. HAZARDS IDENTIFICATION

Hazard Class:	Non hazardous ingredients
	Urea: 45-55% CAS No: 57-13-6
	Purified Water 45-55% CAS No: 7732-18-5

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:	1. Plastic Pouch 2. Urea 3. Purified Water
1. Plastic Pouch	Made of Polyethylene (PE) which is non-hazardous
2. Urea	White crystalline powder. Odourless. Complete solubility in water. Boiling Point, Vapour Pressure and Density, Specific Gravity and Evaporation Rate: Not Applicable. Non-flammable, no special fire fighting requirements.
3. Purified Water	Purified Water in clear plastic pouch

## 4. FIRST AID MEASURES

Inhalation:	Move quickly into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin Contact:	If outer pouch punctures and content contacts skin, wash thoroughly with water. Seek medical advice if irritation occurs and persists.
Ingestion:	Contact Poisons Information Centre 13 11 26. Drinks lots of water.
Eye Contact:	If outer pouch punctures and content contacts eyes continually flush with fresh water. Seek medical advice if irritation occurs and persists.

## 5. FIRE FIGHTING MEASURES

Hazard:	Not considered to be a fire hazard. material will not burn.
Extinguishing agents to avoid:	None
Special precautions:	With larger volumes reactions with incompatibles may pose an explosion hazard.

## 6. ACCIDENTAL RELEASE MEASURES

Precautions:	No special precautions required. Sweep with absorbent material.
Disposal:	Dispose of with normal waste management procedure in accordance with local authority guidelines.

## 7. HANDLING AND STORAGE

Handling:	No special precautions required when handling smaller quantities.
Storage:	Standard storage procedures for non-hazardous materials. Store in a dry, cool and well ventilated area. Keep away from incompatible materials such as reducing agents.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines:	No special precautions required.
Personal Protection:	Under well controlled conditions where contact with the substance is limited and exposures are below the occupational exposure limit, normal work clothing may suffice. Where skin and eye contact may occur as a result of brief periodic exposures, wear long sleeved clothing and safety glasses with side shields.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Granular Solid
Appearance	White Granular Powder and clear Purified Water
Odour	No odour
pH	8
Specific Gravity (Bulk Density)	0.74
Freezing Point	NA
Boiling Point	Decomposes at 135°C
Melting Point	132.7°C
Solubility	Complete solubility in Water

## 10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)

Stability: Stable and non-reactive with most materials

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity Ingested liquid may cause slight irritation to the gastrointestinal tract (which may cause vomiting, nausea and diarrhoea. Liquid may cause irritation to skin and eyes on contact

Symptoms of exposure: Dust from granules may cause eye, nasal or bronchial irritation.

## 12. ECOLOGICAL INFORMATION

Persistence/degradability: Degrades. Non cumulative. Dissolves and disperses in water, large volumes may promote algae growth.

## 13. DISPOSAL CONSIDERATIONS

Disposal of product: Dispose in accordance with local, state or national regulations.

## 14. TRANSPORT INFORMATION

Shipping name: Not applicable

Hazard class: Not applicable

UN Number: Not applicable

## 15. REGULATORY INFORMATION

Product information: This product is not regulated as a hazardous material.

## 16. OTHER INFORMATION

In most cases the volume of Urea used in an instant ice pack is minimal at around 50g

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