

# Safety Data Sheet

## Instant Cold



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 classified as hazardous under 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

<b>PRODUCT NAME:</b>	Instant Cold Pack - Urea	<b>SERIES NAME:</b>	0101	0102	0103
			0104	0201	0202
<b>DESCRIPTION:</b>	ColdStar Disposable Instant Cold Compress ColdStar Reusable Instant Insulated Cold Compress ColdStar Soft-Weave Instant Cold Compress ColdStar Instant Cold Perineal Cold Pad		4112	0401	0402
<b>PRODUCT USE:</b>	Thermal Therapy				
<b>DISTRIBUTOR:</b>	Coldstar International PO Box 54 Johnson City, TN 37605	Telephone:	+1 (423) 538-5551		
		Fax:	+1 (423) 538-3030		
		Website:	<a href="http://www.coldstarinternational.com">www.coldstarinternational.com</a>		

### SECTION 2: HAZARD IDENTIFICATION

This SDS contains valuable information critical to the safe handling and proper use of the product. The SDS should be retained and available for employees and other users of this product.

#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Not classified. Non-hazardous substance.

#### GHS LABEL ELEMENTS: HAZARD PICTOGRAMS & SIGNAL WORD

Not Applicable

#### HAZARD-DETERMINING COMPONENTS OF LABELING:

Non-hazardous substance.

#### HAZARD STATEMENTS:

No known significant effects or critical hazards.

#### PRECAUTIONARY STATEMENTS:

P102 – Keep out of reach of children

P103 – Read label before use

P311 – Call a POISON CENTER or doctor/physician.

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

#### NFPA RATING DIAMOND (SCALE 0-4):

HEALTH= 0 - Least

FIRE= 0 - Least

REACTIVITY= 0 - Least

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

HEALTH: 0

FIRE: 0

REACTIVITY: 0

# Safety Data Sheet

## Instant Cold

**ColdStar**  
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### SECTION 3: COMPOSITION INFORMATION

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

<u>ITEM:</u>	<u>C.A.S. NO.</u>	<u>PERCENT</u>
Urea	57-13-6	40% - 60%
Water	7732-18-5	40% - 60%
Proprietary		1.00%* Trade Secret
Polymers (Film)	None	2.00% - 4.00%

The above chemicals are separated into compartments before activation of the cold pack.

Compartment 1: Urea (powder), Compartment 2: Water

### SECTION 4: FIRST AID MEASURES

#### DESCRIPTION OF FIRST AID MEASURES

**GENERAL INFORMATION:** During normal use of this article exposure to the chemical is not expected.

#### EYE CONTACT:

Eye contact is not expected to occur during normal use of the product.

If contact with the contents occurs, rinse immediately with plenty of water, also under the eyelids. Obtain medical attention if irritation persists.

#### SKIN CONTACT:

Prolonged or repeated exposure may cause:

Frostbite: signs/symptoms can include firm blanched areas, redness, pain, tissue destruction, swelling and scar tissue formation.

If contact with the contents occurs, Wash off with soap and water

#### INHALATION:

No adverse health effects are expected from inhalation exposure.

Discard pack and move to area with adequate ventilation.

#### IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

Rinse mouth. If you feel unwell, get medical attention.

Call a physician or Poison Control Centre immediately. If victim is conscious, rinse mouth with a small amount of water. Never give anything by mouth to a person who is unconscious or drowsy.

#### OTHER HEALTH HAZARD INFORMATION:

Exposure to the contents of the pack may cause eye and skin irritation. If pack breaks, discard and wash the affected area with soap and water.

### SECTION 5: FIRE & EXPLOSION HAZARD DATA

**GENERAL INFORMATION:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**FLASH POINT:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**EXTINGUISHING MEDIA:** WATER or FOAM

**SPECIAL FIRE FIGHTING PROCEDURES:** N/D

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/D

#### HAZARDOUS DECOMPOSITION PRODUCTS:

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

#### SPECIAL FIRE FIGHTING PROCEDURES:

No special protective actions for fire-fighters are anticipated.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

Confinement at elevated temperatures or exposure to strong oxidizers may cause an explosion.

**OSHA FIRE HAZARD CLASS:** Not Determined

# Safety Data Sheet

## Instant Cold

**ColdStar**  
INTERNATIONAL

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Ventilate the area with fresh air.

#### SPILL AND LEAK PROCEDURES:

Recommended clean-up procedures when compress is damaged before activation:

- Contain and collect with Inert absorbent material and place in a suitable container for disposal, similar to the container material was supplied in.
- Comply with all federal, state and local regulations.

Recommended clean-up procedures when compress is damaged after activation:

- Spilled material should be collected appropriately and wash remainder with plenty of water. If spilled material enters a water course, inform the local authority.
- Place in a suitable container for disposal, similar to the container material was supplied in.

#### ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment.

### SECTION 7: HANDLING & STORAGE

#### PRECAUTIONS FOR SAFE HANDLING & STORAGE:

Avoid contact with contents of product.

Handling: use appropriate protective clothing and equipment (see Section 8)

Storage: Store away from combustible material and reducing agents. Do not expose to high temperatures.

Packaging Materials: bulk, bags

#### OTHER PRECAUTIONS:

Recommended handling procedures when compress is damaged:

Wear appropriate protective equipment. Avoid breathing vapors, fumes or dust.

Avoid contact with skin, eyes and clothing. Avoid and control operations which create high vapor or dust concentrations.

Do not ingest. Wash thoroughly after handling.

Always keep in containers made of the same materials as the supply container.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**PROTECTIVE GLOVES:** None required for normal use.

**RESPIRATORY PROTECTION:** No personal respiratory protective equipment normally required.

**EYE PROTECTION:** Eye contact is not expected to occur during normal use of the product.

**SKIN PROTECTION:** No adverse health effects are expected from skin contact. Protective gloves may be worn only in case of moist and sensitive hands.

**ENGINEERING CONTROLS:** Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N/A

### SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid=White, Granules; Liquid=Hazy to Clear
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not available
<b>pH:</b>	7.2 @ 10% solution.
<b>Melting Point</b>	133°C (271.4°F)
<b>Freezing Point:</b>	Not available
<b>Boiling Point and Boiling Range:</b>	212°F
<b>Flash Point:</b>	Product does not sustain combustion
<b>Evaporation Rate (Butyl Acetate = 1):</b>	Not available
<b>Flammability:</b>	Non-flammable substance. Non-combustible.
<b>Vapor Pressure (mm Hg):</b>	0.08 kPa (0.6 mm Hg) [room temperature]
<b>Vapor Density (AIR = 1):</b>	Not available
<b>Relative Density:</b>	1.33 g/cm <sup>3</sup>
<b>Solubility:</b>	Easily soluble in the following materials: cold water and hot water.
<b>Partition Coefficient:</b>	-1.59
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition Temperature:</b>	135°C (275°F)
<b>Viscosity:</b>	Not available
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	Not available

# Safety Data Sheet

## Instant Cold

**ColdStar**  
INTERNATIONAL

### SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable under proper storage conditions

**CONDITIONS TO AVOID:** Absorbs moisture on long-term storage under high humidity conditions.  
Melts and decomposes when heated to extreme temperatures.

**INCOMPATIBILITY (MATERIAL TO AVOID):** None known

**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:** During combustion inactivated chemical will release Carbon monoxide and Carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Routes of Exposure:** Not expected under normal usage.

no data available

**Related Symptoms:** Not expected under normal usage.

no data available

**Acute Toxicity:**

Urea LD50 Oral - Mouse - Male 11 g/kg - Urea LD50 Oral Rat - Male 8471 mg/kg - Urea LD50 Oral Rat - Male 14300 mg/kg - Urea TDLo Oral Cattle - Male, Female 200 mg (N)/kg

**Conclusion/Summary:** Non-hazardous substance.

**Chronic Effects of Long Term Exposure:**

Chronic Toxicity: no data available

Mutagenicity: Urea - OECD 471 Bacterial Reverse Mutation Test - Conclusion/Summary: No mutagenic effect.

Reproductive Toxicity: no data available

Teratogenicity: no data available

Epidemiological Data: no data available

**Numerical measures of toxicity:**

Oral: no data available

Dermal: no data available

Inhalation: no data available

**Carcinogenicity:**

NTP: NO NCI-Lifetime study has been carried out

IARC: NO IARC monograph has been published

OSHA: Not a regulated carcinogen

### SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:**

Acute EC50 6573.1 mg/l Fresh water Crustaceans – Ceriodaphnia dubia – Neonate 48 hours

Acute EC50 3910000 µg/l Fresh water Daphnia - Daphnia magna – Neonate 48 hours

Acute LC50 >1000 mg/l Marine water Crustaceans - Chaetogammarus marinus – Young 48 hours

Acute LC50 5000 µg/l Fresh water Fish - Colisa fasciata - Fingerling 96 hours

Acute LC50 22500 mg/l Fresh water Fish – Oreochromis mossambicus – Young 96 hours

Chronic NOEC 2 g/L Fresh water Fish - Heteropneustes fossilis 30 days

**BIODEGRADABILITY:** Readily biodegradable.

**BIOACCUMULATION:** Log P -1.59, potential low.

**MOBILITY:** Soil/water partition coefficient (KOC) : 0.037

**OTHER ADVERSE EFFECTS:** No known significant effects or critical hazards.

### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:**

Responsibility of the receiver to have knowledge of national and local regulations.

Methods of Disposal: The substance is biodegradable. Disposal according to the local legislation.

### SECTION 14: TRANSPORT INFORMATION

**UN number and proper shipping name:** Not regulated.

**Transport hazard class(es):** N/A

**Packing group:** N/A

**Environmental hazards:** Avoid release to the environment in circumstances different to normal use.

**Special precautions:** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

# Safety Data Sheet

## Instant Cold



**ColdStar**  
INTERNATIONAL

### SECTION 15: REGULATORY INFORMATION

#### US FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): [Not Regulated](#)  
CERCLA/SARA - HAZARDOUS SUBSTANCES: [Not Applicable](#)  
302 EXTREMELY HAZARDOUS SUBSTANCES EPCRA RQS: [Not Listed](#)  
302 EXTREMELY HAZARDOUS SUBSTANCES TPQS: [Not Listed](#)  
CERCLA/SARA - 313 - EMISSION REPORTING: [Not Listed](#)

#### US STATE REGULATIONS

CALIFORNIA - 8 CCR SECTION 339 - DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES: [Not Listed](#)

#### INTERNATIONAL REGULATIONS

Canadian WHMIS Classification: [Not Listed](#)  
Canadian WHMIS - INGREDIENT DISCLOSURE LIST: [Not Listed](#)  
Canadian Environmental Protection Act (CEPA) information: [Not Listed](#)  
Germany - WATER HAZARD CLASS: [Not Listed](#)

### SECTION 16: OTHER INFORMATION

**Date of Preparation: 7/28/2016**

**Last Revision: 05/15/2018**

**FURTHER INFORMATION:** This SDS has been prepared in accordance with:

**DISCLAIMER:** The information provided in this Safety Data 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, Coldstar International 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 Coldstar International 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 Coldstar International has been advised of the possibility of such damages. We reserve the right to update MSDS 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.

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