

Safety Data Sheet

ColdStar
INTERNATIONAL

Instant Heat Pack

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

PRODUCT NAME:	Instant Heat Pack	SERIES NAME:	1301
DESCRIPTION:	Coldstar Disposable Instant Heat Compress		0301
	ColdStar Disposable Insulated Instant Heat Compress		0501
	Coldstar Soft-Weave Instant Heat Compress		0502
	ColdStar Instant Heat Perineal Pad		5112
PRODUCT USE:	Thermal Therapy		
DISTRIBUTOR:	Coldstar International PO Box 54 Johnson City, TN 37605	Telephone: +1 (423) 538-5551 Fax: +1 (423) 538-3030 Website: www.coldstarinternational.com	

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:

GHS 3.2.1 - ACUTE TOXICITY – ORAL – Category 5

GHS 3.2.4 - EYE EFFECTS – Category 2B - Mild Irritant

GHS 3.2.5 - SENSITIZATION – Skin Sensitizer

GHS LABEL ELEMENTS: HAZARD PICTOGRAMS & SIGNAL WORD

WARNING

HAZARD-DETERMINING COMPONENTS OF LABELING:

Magnesium Sulfate

HAZARD STATEMENTS:

H303 – Maybe harmful if swallowed

H316 – May cause mild skin irritation

H320 – Causes eye irritation

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:	1
FIRE:	0
REACTIVITY:	0

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SECTION 3: COMPOSITION INFORMATION

COMPOSITION: Mixture consisting of the following components

ITEM	IUPAC	SYNONYMS	MOLECULAR FORMULA	IDENTIFIERS
				<u>Percentage</u>
Magnesium Sulfate				15% - 30%
Water				70% - 85%
Proprietary				1.00%
Polymers (Film)				2.00% -
4.00%				

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION: Primary routes of entry: Eye and skin contact; ingestion; inhalation & skin absorption.
Medical condition Aggravated by Exposure: Eyes/skin hypersensitivity

AFTER INHALATION: First Aid is normally not required. Harmful effects are not expected under normal usage.

AFTER SKIN CONTACT: First Aid is normally not required. Harmful effects are not expected under normal usage.

Recommended first aid for exposure to chemical from activated, damaged hot pack:
Flush with cool running water. If thermal burns are present: Cool the burn right away by flushing gently flowing, cool water on area. Continue cooling until pain is lessened and burn is cooled. Loosen anything that is tight as long as it is not stuck to the burn. Get medical attention.

AFTER EYE CONTACT: First Aid is normally not required. Harmful effects are not expected under normal usage.

Recommended first aid for exposure to chemical from activated, damaged hot pack:
Flush with cool running water. If eye irritation persists, get medical advice/attention.

AFTER SWALLOWING: First Aid is normally not required. Harmful effects are not expected under normal usage.

Recommended first aid for exposure to chemical from damaged hot pack: Do NOT induce vomiting. Have victim drink one to two glasses of water.
Get medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

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

SPECIAL FIRE FIGHTING PROCEDURES: N/D

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/D

HAZARDOUS DECOMPOSITION PRODUCTS: N/D

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear suitable protective equipment.
Pick up loose items, and place in container for disposal.

SPILL AND LEAK PROCEDURES:

Recommended clean-up procedures when compress is damaged: Ventilate area of release.
Remove all sources of ignition. Cover any spilled material with non-combustible absorbent material, such as vermiculite or sand, then place absorbent material into a container for later disposal. Notify the appropriate authorities as required.
If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

ENVIRONMENTAL PRECAUTIONS:

Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

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SECTION 7: HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING & STORAGE:

Use in a well-ventilated area. Protect from damage. If misused, can cause burns even at a low temperature. Never apply the hot packs directly to skin, without a protective barrier. If heat pack becomes uncomfortably hot, remove immediately.

Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Inspect periodically for damage or leaks. Do Not store below freezing temp or in high heat.

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

RESPIRATORY PROTECTION: N/A

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: N/A

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS

pH:	N/A
Boiling Point:	>100°C
Freezing Point:	N/A
Specific Gravity (H₂O = 1):	N/D
Vapor Pressure (mm Hg):	760MM HG @ 1000°C >1
Vapor Density (AIR = 1):	N/D
Evaporation Rate (Butyl Acetate = 1):	Very Soluble
Solubility in Water:	S=1.7; LIQ=1.1
Appearance and Odor:	Solid=White; Liquid=Hazy

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under proper storage conditions

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents. Strong acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Sulfur oxides

HAZARDOUS POLYMERIZATION: Not expected under prescribed storage and handling conditions. Decomposition may occur at extremely high temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

PRECAUTIONARY STATEMENTS: If medical attention is required due to exposure, show this safety data sheet (SDS) to the medical attendant.

POTENTIAL HEALTH EFFECTS:

INHALATION	Harmful effects are not expected under normal usage. Chemical from damaged, un-activated hot pack may have the following hazards: Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
EYE	Harmful effects are not expected under normal usage. Chemical from damaged, un-activated hot pack may have the following hazards: May cause mechanical irritation. Symptoms may include stinging and tearing.
SKIN	Chemical from damaged, activated hot pack may have the following hazards: If misused, can cause burns even at a low temperature. Harmful effects are not expected under normal usage.
INGESTION	Chemical from damaged, activated hot pack may have the following hazards: If misused, can cause burns even at a low temperature. Harmful effects are not expected under normal usage.
TARGET ORGANS	None known Chemical from damaged, un-activated hot pack may have the following hazards: May be harmful if swallowed. Symptoms include nausea, vomiting and diarrhea. Ingestion of large quantities may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps, as well as hypocalcemia (Calcium deficiency in the blood).

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SECTION 11: TOXICOLOGICAL INFORMATION (Continued)

PRIMARY ROUTES OF EXPOSURE

Inhalation: NO
Skin Absorption: NO
Skin & Eyes: YES
Ingestion: NO

POTENTIAL EFFECTS OF CHRONIC EXPOSURE

N/D

CARCINOGENICITY

Not known to be carcinogenic.

IRRITATION/SENSITIZATION

Not expected to be a skin or respiratory sensitizer.

TERATOGENICITY

Not expected to be a teratogen.

MUTAGENICITY

Not expected to be mutagenic in humans.

REPRODUCTIVE TOXICITY

Not expected to have other reproductive effects.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

No data is available on the product itself.

BIODEGRADABILITY:

Biodegradable

BIOACCUMULATION:

No data is available on the product itself.

MOBILITY:

No data is available on the product itself.

OTHER ADVERSE EFFECTS:

No data is available on the product itself.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Material suitable for approved solid waste landfill.

This material is not a hazardous waste according to Federal Regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or comes into contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Dispose of contents to an approved waste disposal site

SECTION 14: TRANSPORT INFORMATION

RESOURCE CONSERVATION & RECOVERY ACT (RCRA) WASTE NUMBER:

Basic Shipping Description:

IATA **Not regulated**
Proper Shipping Name: Compounds and Refrigerants in Cartons
Hazard Class: Not classified
Hazard Label: None
Packing Group: None
Packaging Instruction: N/A
Special Provisions: None

U.S. Department of Transportation (DOT) Consumer Commodity, ORM-D

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS: This material is not classified as hazardous under OSHA regulations (29 CFR Part 1910.1200). This product is considered an 'article' under 29 CFR Part 1910.1200. This product may be considered a 'manufactured article' or 'medical device'.

TSCA (TOXIC SUBSTANCE CONTROL ACT): None Known

CERCLA/SARA - HAZARDOUS SUBSTANCES AND THEIR REPORTABLE QUANTITIES: N/D

302 EXTREMELY HAZARDOUS SUBSTANCES EPCRA RQS:

No Extremely Hazardous Substances are present in this material.

302EXTREMELY HAZARDOUS SUBSTANCES TPQS: No Extremely Hazardous Substances are present in this material.

CERCLA/SARA - 313 - EMISSION REPORTING: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above the minimum concentrations.

US STATE REGULATIONS:

CALIFORNIA - 8 CCR SECTION 339 - DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

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SECTION 15: REGULATORY INFORMATION (Continued)

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: This product is not a WHMIS controlled product in Canada. This product may be considered a 'manufactured article' or 'medical device'.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WATER HAZARD CLASS (GERMANY): N/A

CANADA

DOMESTIC SUBSTANCES LIST (DSL): Not Regulated

WHMIS - INGREDIENT DISCLOSURE LIST: No disclosure limit

WHMIS STATUS: This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

SECTION 16: OTHER INFORMATION

Date of Preparation: 09/14/15

Last Revision: 07/18/2023

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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