

Product Name: Instant Hot Pack  
Product Code: HP690

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Instant Hot Pack  
Product Code: HP690

Responsible Party: Ardes Medical & Manufacturing, LLC  
503 West Marion St.  
Shelby, NC 28150  
USA

For further information contact MSDS Coordinator  
9am – 17:00 pm PST, Mon - Fri: (720) 514-2542

### EMERGENCY OVERVIEW

#### Emergency Telephone Numbers:

In case of emergency contact your local Poison Control Center

**Health Hazards:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Physical Hazards:** None anticipated

- < Physical Form: Solid/Liquid
- < Appearance: Colorless solid in water bag
- < Odor: None

NFPA HAZARD CLASS: Health: 0 (Least)  
Flammability: 0 (Least)  
Reactivity: 0 (Least)

Issue Date: 5/31/2014  
Revised Sections: New MSDS

Status: Final New

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>OTHER COMPONENTS</u>	<u>% Weight</u>	<u>EXPOSURE GUIDELINE</u>		
		<u>Limits</u>	<u>Agency</u>	<u>Type</u>
Magnesium Sulfate CAS# 7487-88-9				Not Established
Water CAS# 7732-18-5				Not Established

Note: Note: State, Federal, Provincial, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or you local agencies, for further information.information.

## 3. HAZARDS IDENTIFICATION

### POTENTIAL HEALTH EFFECTS:

Eye: Not expected to be an eye irritant.

Skin: Not expected to be a skin irritant. No information available

Inhalation (Breathing): No information available.

Ingestion (Swallowing): No information available.

Signs and Symptoms: Effects of overexposure may include irritation of the nose, throat and digestive tract.

Cancer: No data available.

Target Organs: No data available.

Developmental: No data available.

Pre-Existing Medical Conditions: None known.

## 4. FIRST AID MEASURES

**Eye:** If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

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**Skin:** Remove contaminated shoes and clothing, and cleanse affected area(s) thoroughly by washing with mild soap and water and, if necessary, a waterless skin cleanser. If irritation or redness develops or persists, seek medical attention.

**Inhalation (Breathing):** If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**Ingestion (Swallowing):** If swallowed, seek medical attention. If victim is drowsy or unconscious and vomiting, place on left side with the head down and do not give anything by mouth. If possible, do not leave victim unattended and observe closely for adequacy of breathing.

## 5. FIRE FIGHTING MEASURES

Flammable Properties: Flash Point: None  
OSHA Flammability Class: Not applicable  
LEL/UEL: No data  
Auto ignition Temperature: No data

Unusual Fire & Explosion Hazards: No unusual fire or explosion hazards are expected.

Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area, keep unauthorized personnel out. Contain spill if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Cool equipment exposed to fire with water, if it can be done with minimal risk.

## 6. ACCIDENTAL RELEASE MEASURES

Stay upwind and away from spill/release. Notify person down wind of spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify appropriate federal, state, and local

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agencies. Immediate cleanup of any spill is recommended.

## 7. HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

**Storage:** Protect container(s) against physical damage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** If current ventilation practices are not adequate to minimize exposure, additional ventilation or exhaust systems may be required.

### Personal Protective Equipment (PPE):

**Respiratory:** A NIOSH/MSHA approved air purifying respirator with a N95 filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a positive pressure air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Skin:** The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation (see glove manufacturer literature for information on permeability).

**Eye/Face:** Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

**Other Protective Equipment:** A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Flash Point: None

Flammable/Explosive Limits (%): LEL/UEL: No data

Auto ignition Temperature: No data

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Appearance: Clear solid in water bag  
Physical State: Solid/Liquid  
Odor: None  
pH: No data  
Vapor Pressure (mm Hg): No data  
Boiling Point: No data  
Freezing/Melting Point: No data  
Solubility in Water: 100%  
Specific Gravity: No data  
Evaporation Rate (nBuAc=1): No data

#### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of storage and handling.

**Conditions To Avoid:** None known.

**Incompatible Materials:** None known.

**Hazardous Decomposition Products:** None known

**Hazardous Polymerization:** Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

No definitive information available on carcinogenicity, mutagenicity, target organs or developmental toxicity.

#### 12. DISPOSAL CONSIDERATIONS

This material, if discarded as produced, is not an RCRA "listed" or "characteristic" hazardous waste. Use resulting in chemical or physical change or contamination may subject it to hazardous waste regulations. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

#### 13. TRANSPORT INFORMATION

Hazard Class or Division: Not classified as hazardous.

#### 14. REGULATORY INFORMATION

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This material contains the following chemicals subject to the reporting requirements of **SARA 313** and **40 CFR 372**

<u>COMPONENT</u>	<u>CAS NUMBER</u>
Magnesium Sulfate	CAS# 7487-88-9
Water	CAS# 7732-18-5

This material has not been identified as a carcinogen by NTP, IARC, or OSHA.

**EPA (CERCLA) Reportable Quantity:** --None--

#### 15. DOCUMENTARY INFORMATION

Issue Date: 10/31/2011  
Previous Issue Date: None  
Product Code: HP690

#### 16. DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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