

Material Safety Data Sheet (MSDS)

Abbreviations used on this MSDS:

ACGIH = American Conference of Governmental Industrial Hygienists, CAN = Canada, CAS = Chemical Abstracts Service Division of the American Chemical Society, CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act (US), DOT = US Department of Transportation, IARC = International Agency for Research on Cancer, ICAO = International Civil Aviation Organization, IMO = International Maritime Organization, LC₅₀ = Lethal concentration by inhalation to cause death in 50% of a test population of animals, LD₅₀ = Lethal dose by oral or dermal contact to cause death in 50% of a test population of animals, mmHG = millimetres of mercury, MSDS = Material Safety Data Sheet, NFPA = National Fire Protection Association (US), °C = temperature in degrees celsius, OSHA = Occupational Safety and Health Administration (US), pH = indicates acidity < 7 or alkalinity > 7, ppm = parts per million, PEL = Permissible Exposure Limit, SARA = Superfund Amendment and Re-authorization Act (US), TDG = Transportation of Dangerous Goods (CAN), TLV = Threshold Limit Value, TSCA = Toxic Substances Control Act (US), UN = United Nations, US = United States, WHMIS = Workplace Hazardous Materials Information System (CAN)

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier Simply Cozy™ Gel Pad			
Product Use Use in shipping/storing/packing products that require temperature maintenance and/or shock protection.			
Manufacturer's Name Cryopak Corporation		Supplier's Name Emerging Technologies, Inc.	
Street Address 1053 Derwent Way		Street Address 400-A Edwards Drive	
City Delta	Province BC	City Greensboro	Province NC
Postal Code V3M 5R4	Emergency Telephone Number 613.996.6666 (CANUTEC) Use in case of a dangerous goods emergency	Postal Code 27409	Emergency Telephone Number 1.800.424.9300
Date MSDS Prepared April 5, 2002		MSDS Prepared by V.G.Scott & Associates Consulting	Telephone Number 1.888.405.1188

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
Polyacrylate/Polyalcohol Copolymer	1 - 5	130672-62-7	Not available	Not available

SECTION 3 - HAZARDS IDENTIFICATION

Routes of Entry ☒ Skin Contact ☐ Skin absorption ☒ Eye contact ☒ Inhalation ☐ Ingestion				
Emergency Overview Product in powder form is a nuisance dust.				
WHMIS Symbols Not regulated under WHMIS.				
Potential Health Effects Product may irritate eyes and skin upon contact but is unlikely to injure tissue.				

PRODUCT IDENTIFIER: Gel Ice Pack**SECTION 4 - FIRST AID MEASURES**

Skin Contact Remove contaminated shoes and clothing and cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.
Eye Contact 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.
Inhalation 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 First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.

SECTION 5 - FIREFIGHTING MEASURES

Flammability ☐ Yes ☒ No	If yes, under which conditions?	
Means of Extinction Use extinguishing media suitable for type of surrounding fire.		
Flash point (°C) and Method No data	Upper Flammability Limit (% by volume) No data	Lower Flammability Limit (% by volume) No data
Autoignition Temperature (°C) No data	Explosion Data – Sensitivity to Impact No data	Explosion Data – Sensitivity to Static Discharge No data
Hazardous Combustion Products Not applicable		
Fire Fighting Instructions Use flooding quantities of water for surrounding materials. Use care when walking in spilled material. Keep unauthorized persons out of area. Fire Fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and full fire protective clothing.		

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Small spill: Use appropriate tools or equipment to clean up spilled liquid material. Small quantities can be flushed to sanitary sewer. Large Spill: Prevent additional material from being spilled. Keep from entering sewers, watercourses, wells, etc.
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PRODUCT IDENTIFIER: Gel Ice Pack**SECTION 7 - HANDLING AND STORAGE****Handling Procedures and Equipment**

The use of respiratory equipment is recommended when exposure exceeds established exposure limits. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

Storage Requirements

Keep containers tightly closed. Use and store in cool, dry, well-ventilated areas. Store only in approved containers.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION**Exposure Limits**

10 mg/m³ for dust

☒ ACGIH TLV

☐ OSHA PEL

☐ Other (Specify)

Specific Engineering Controls (such as ventilation, enclosed process)

Use appropriate personal protective equipment and clothing to avoid skin contact with liquid product. If spilled product dries out avoid inhaling the dust.

Personal Protective Equipment

☒ Gloves

☐ Respirator

☒ Eye

☒ Footwear

☐ Clothing

☐ Other

If checked, specify type

Use impervious gloves. Wear safety glasses or safety goggles if there is a risk of splash and spillage. Use suitable waterproof footwear.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State ☐ Solid ☒ Liquid ☐ Gas	Odour and Appearance Liquid	Odour Threshold (ppm) Odourless
Specific Gravity Not available	Vapour Density (air = 1) Not available	Vapour Pressure (mmHG) Not available
Evaporation Rate Not available	Boiling Point (°C) Not available	Freezing Point (°C) Not available
pH Not available	Coefficient of Water/Oil Distribution Not applicable	Solubility in Water Easily soluble in water.

PRODUCT IDENTIFIER: Gel Ice Pack**SECTION 10 - STABILITY AND REACTIVITY**

Chemical Stability ☒ Yes ☐ No	If no, under which conditions?
Incompatibility with Other Substances ☐ Yes ☒ No	If yes, which ones? Not expected, but specific information is not available.
Reactivity, and Under What Conditions? No specific information is available.	
Hazardous Decomposition Products Possible hazardous short-term degradation products are not likely. However, long-term degradation products may arise.	
Hazardous polymerization Will not occur.	

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Use good practice to avoid contact with eyes, skin and clothing with all materials. Wash thoroughly after handling. No acute effects are expected.	
Effects of Chronic Exposure Chronic exposure is not expected to produce any health effects.	
Irritancy of Product Contact with skin and eyes may be irritating.	
Skin Sensitization Not expected	Respiratory Sensitization Not expected
Carcinogenicity – IARC No definitive information is available.	Carcinogenicity – ACGIH No definitive information is available.
Reproductive Toxicity No definitive information is available.	Teratogenicity No definitive information is available.
Embryotoxicity No definitive information is available.	Mutagenicity No definitive information is available.
Name of Synergistic Products/Effects None known	

PRODUCT IDENTIFIER: Gel Ice Pack**SECTION 12 - ECOLOGICAL INFORMATION****Toxicity**

Low toxicity for humans or animals under normal conditions of use.

Aquatic Marine Toxicity: Avoid spills or releases to watercourses. This material is not listed as a marine pollutant in the International Maritime Dangerous Goods Code.

Biochemical Oxygen Demand: Not available

Chemical Oxygen Demand: Not available

Toxicity of the Products of Degradation: Not available

SECTION 13 - DISPOSAL CONSIDERATIONS**Waste Disposal or Recycling**

Recycle to process in manufacturing if possible. Recover and place material in a suitable container for intended use or disposal. Call for assistance on disposal. Ensure disposal is in compliance with federal, provincial and local regulations.

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information Not classified as hazardous.		UN Number Not applicable
TDG Not applicable	DOT Not applicable	
IMO Not applicable	ICAO Not applicable	

SECTION 15 - REGULATORY INFORMATION

WHMIS Classification Does not meet any of the WHMIS classification criteria.	OSHA Not determined.
SARA Not determined.	TSCA Not determined.

SECTION 16 - OTHER INFORMATION

No additional information is available.