## 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, LC<sub>50</sub>= Lethal concentration by inhalation to cause death in 50% of a test population of animals, LD<sub>50</sub> = 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)

Product Identif	fier								
Gel Ice Pa	ick								
Product Use									
Jse in shippin	ig/storing/packin	g products th	at require tempera			or shock protec	tion.		
Manufacturer's					ier's Name				
Cryopak Corp	oration				ging Technol	ogies, Inc.			
Street Address					Address				
1053 Derwent	Way				Edwards Dr	ive			
City			Province	City				Province	
Delta	_		BC		nsboro			NC	
Postal Code	Emergency Tel	The second secon			I Code		The second secon	mergency Telephone Numb	
V3M 5R4	613.996.6666			27409			1.800.424.9300		
			s goods emergenc				- House		
Date MSDS Pro	epared		MSDS Prepared by		111	Telephone			
April 5, 2002			V.G.Scott & Assoc	ciates Con	sulting	1.888.405.	1188		
			NFORMATIO		_				
	s Ingredients pecific)	%	CAS Nui	mber	LD <sub>50</sub> of Ingredient (specify species and route)			C <sub>50</sub> of Ingredient (specify species)	
Polyacrylate/F Copolymer		1 - 5	130672-62-7		Not available			Not available	
Routes of Enti	3 - HAZARD	S IDENTI	FICATION						
Skin Cont		Skin absorption	X 510	contact	M	Inhalation			
		Skin absorpu	on Zeye	contact		nhaiation		Ingestion	
Emergency Ov Product in pov	wder form is a n	uisance dust.							
WHMIS Symbo Not regulated	ols I under WHMIS.								
	under WHMIS.								

# 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 t	ype of surrounding fire.			
Flash point (°C) and Method	Upper Flammability Limit (% by volume)	Lower Flammability Limit (% by volume)		
No data	No data	No data		
Autoignition Temperature (°C)	Explosion Data - Sensitivity to Impact	Explosion Data - Sensitivity to Static Discharge		
No data	No data	No data		
Hazardous Combustion Products				
Not applicable				
Fire Fighting Instructions				
	rrounding materials. Use care when walking positive-pressure self-contained breathing	g in spilled material. Keep unauthorized persons apparatus (SCBA) and full fire protective		

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

eak and Spill Procedures
mall spill:
se appropriate tools or equipment to clean up spilled liquid material. Small quantities can be flushed to sanitary sewer.
arge Spill:
revent additional material from being spilled. Keep from entering sewers, watercourses, wells, etc.

# PRODUCT IDENTIFIER: Gel Ice Pack SECTION 7 - HANDLING AND STORAGE

Not available

Handling Procedures and Equipment  The use of respiratory equipment is rec	commended when exposure exceeds e	established exposure limits. Wash thoroughly after
nandling. Do not wear contaminated clo		
Storage Requirements		
Keep containers tightly closed. Use and	d store in cool, dry, well-ventilated area	as. Store only in approved containers.
<b>ECTION 8 - EXPOSURE CO</b>	NTROL/PERSONAL PROT	ECTION
Exposure Limits		
0 mg/m³ for dust	☐ ACGIH TLV ☐ OSHA	A PEL Other (Specify)
Personal Protective Equipment		
⊠ Gid	oves Respirator Eye	Footwear Clothing Dther
If checked, specify type	asses or safety googles if there is a ris	sk of splash and spillage. Use suitable waterproof
footwear.	asses of safety goggles if there is a ris	or splash and splilage. Ose sultable waterproof
ECTION 9 - PHYSICAL AND	CUEMICAL DEODEDTIES	
Physical State	Odour and Appearance	Odour Threshold (ppm)
Solid Liquid Gas	Liquid	Odourless
Specific Gravity		200 400 (200 pt 200 pt
	Vapour Density (air = 1)	Vapour Pressure (mmHG)
Not available  Evaporation Rate	Vapour Density (air = 1) Not available Boiling Point (°C)	200 400 00 00 00 00 00 00 00 00 00 00 00

Solubility in Water

Easily soluble in water.

Coefficient of Water/Oil Distribution

Not applicable

## PRODUCT IDENTIFIER: Gel Ice Pack

Name of Synergistic Products/Effects

None known

## SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability		If no, under which conditions?		
⊠ Yes	☐ No			
ncompatibility with Other Sub	stances	If yes, which ones?		
☐ Yes ⊠ No		Not expected, but specific information is not available.		
Reactivity, and Under What Co				
No specific information is ava	ilable.			
Hazardous Decomposition Pro	ducts			
		n products are not likely. However, long-term degradation products may arise.		
Hazardous polymerization				
Will not occur.				
ECTION 11 - TOXICO	OLOGIC	LINFORMATION		
Effects of Acute Exposure				
Use good practice to avoid co	ontact with	es, skin and clothing with all materials. Wash thoroughly after handling. No acute		
effects are expected.				
• (4)				
555				
Effects of Chronic Exposure		and the state		
Chronic exposure is not expe	ected to pro	се апу пеаітп епесть.		
rritancy of Product				
Contact with skin and eyes m	nav be irrita	Q		
Skin Sensitization	iay be iiiia	Respiratory Sensitization		
Not expected		Not expected		
Carcinogenicity – IARC		Carcinogenicity – ACGIH		
No definitive information is a				
	vailable			
Ponroductive Tovicity	vailable.	No definitive information is available.		
		No definitive information is available.  Teratogenicity		
No definitive information is a		No definitive information is available.  Teratogenicity  No definitive information is available.		
Reproductive Toxicity No definitive information is a  Embryotoxicity No definitive information is as	vailable.	No definitive information is available.  Teratogenicity		

#### 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	DOT
Not applicable	Not applicable
IMO	ICAO
Not applicable	Not applicable

#### SECTION 15 - REGULATORY INFORMATION

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

#### SECTION 16 - OTHER INFORMATION

No additional information is available.			