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Trade name: Hard Pack – Ice-Pak IP

SECTION 1: Identification

Product identifier used on the label:

Product Name: Hard Pack – Ice-Pak IP

Other means of identification:

Product Code Number: Not applicable.

Recommended use of the chemical and restrictions on use:

Recommended use: Freezer pack for transportation of temperature sensitive items.

Recommended restrictions: Uses other than as recommended above.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Company Name: Cryopak Industries Inc.
Company Address: 4605 Hickory Hill Rd, Suite 104
Memphis, TN 38141
Company Contact Name: Mohamadou BA
Company Contact Email: mba@cryopak.com

Emergency phone number: CANUTEC (24 Hours): 613.996.6666

SECTION 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

Not a hazardous mixture under OSHA §1910.1200.

GHS Signal word: No signal word required.

GHS Hazard statement(s): No hazard statements required.

GHS Hazard symbol(s): No hazard symbols required.

GHS Precautionary statement(s): No precautionary statements required.

Hazard(s) not otherwise Classified (HNOC): None known.

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Percentage of ingredient(s) of unknown acute toxicity:

Not applicable.

SECTION 3: Composition/information on ingredients

Mixture: Non-hazardous mixture containing sodium polyacrylate.

Chemical name	CAS#	Concentration (weight %)
No hazardous components above the classification threshold under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.	7732-18-5	98-99
	9003-04-7	05-1
	3844-45-9	0-0.01

SECTION 4: First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.

Skin contact: Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion: Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required.

Most important symptoms/effects, acute and delayed: Product may cause slight irritation to the eyes.

Indication of immediate medical attention and special treatment needed: If any symptoms are observed, contact a physician and give them this SDS sheet.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: No information available.

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Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Hazardous combustion products include CO (Carbon Monoxide), CO₂ (Carbon Dioxide).

Explosion Data:

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus and protective clothing. Fight fire from a protected location. Wear self-contained breathing apparatus and protective clothing. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes. Ensure adequate ventilation. Wear appropriate protective equipment, such as gloves, goggles and protective clothing, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Methods and materials for containment and cleaning up:

Keep in suitable and closed containers for disposal.

In case of rupture: Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

SECTION 7: Handling and storage

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

Conditions for safe storage, including any incompatibles: Keep containers tightly closed in a dry, cool and well-ventilated place. Store only in approved containers.

SECTION 8: Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)		
(Table Z-1 Limits for Air Contaminants):		
Substance	PEL-TWA	PEL-STEL

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	(8 hour)	(15 min)
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	n/a	n/a

US ACGIH Threshold Limit Values		
Substance	TLV-TWA (8 hour)	TLV-STEL (15 min)
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	n/a	n/a

US Workplace Environmental Exposure Limits (WEEL)		
Substance	TWA	STEL
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.	n/a	n/a

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be sufficient in most cases. Ventilation rates should be matched to conditions. If exposure limits have not been established, maintain airborne levels to an acceptable level. Use appropriate personal protective equipment and clothing to avoid skin contact with liquid product.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Eye and face protection is not required under normal conditions of use.

Skin and hand protection: Skin protection is not required under normal conditions of use.

Respiratory protection: Respiratory protection is not required under normal conditions of use. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations: Have eyewash stations and emergency showers where required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.):

Physical state: Paste/Gel, Liquid

Color: Blue

Odor: Odorless

Odor threshold: Not available

pH: Not available

Melting point/freezing point: Not available

Initial boiling point and Not available

boiling range:

Flash point: Not available

Evaporation rate: Not available

Flammability (solid, gas): Not applicable

Upper/lower flammability or explosive limits

Flammability limit – lower (%): Not applicable

Flammability limit – upper (%): Not applicable

Explosive limit – lower (%): Not applicable

Explosive limit – upper (%): Not applicable

Vapor pressure: Not available

Vapor density: Not available

Relative density: Not available

Solubility (ies): (Very hygroscopic).

Partition coefficient (n-octanol/water): Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity (dynamic): Not available

SECTION 10: Stability and reactivity

Reactivity: Not expected to be reactive.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition Products: If involved in a fire, oxides of carbon may be generated.

SECTION 11: Toxicological information

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Information on likely routes of exposure:

Inhalation:	Expected to be a route of entry.
Ingestion:	Not expected to be a route of entry.
Skin:	Expected to be a route of entry.
Eyes:	Expected to be a route of entry.

Symptoms related to the physical, chemical, and toxicological characteristics:

Contact with eyes may be slightly irritating. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Delayed and immediate effects and chronic effects from short or long-term exposure:

None expected.

Numerical measures of toxicity (such as acute toxicity estimates):

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

Ingredient Information:

Substance	Test Type (species)	Value
Sodium polyacrylate	LD ₅₀ Oral (Rat)	40 g/kg
	LD ₅₀ Dermal (Rabbit)	No data available
	LC ₅₀ Inhalation (Mouse)	No data available

Skin corrosion/irritation: No known hazard in contact with skin.

Serious eye damage/eye irritation: May cause slight irritation.

Respiratory sensitization: Not expected.

Skin sensitization: Not expected.

Germ cell mutagenicity: No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).

Carcinogenicity: No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

Reproductive toxicity: No information available on the mixture, however none of the components have been classified for

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reproductive toxicity (or are below the concentration threshold for classification).

Specific target organ toxicity- Single exposure:

No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).

Specific target organ toxicity- Repeat exposure:

No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

Aspiration hazard:

No information available on the mixture, however none of the components have been classified for aspiration hazards (or are below the concentration threshold for classification).

SECTION 12: Ecological information

Ecotoxicity (aquatic and terrestrial, where available):

Product data: The environmental impact of this product has not been fully investigated.

Ingredient Information:

Substance	Test Type	Species	Value
No hazardous components above the classification threshold.	LC ₅₀	Fish	-
	EC ₅₀	Daphnia	-
	EC/LC ₅₀	Algae	-

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other adverse effects (such as hazardous to the ozone layer): Avoid release to the environment.

SECTION 13: Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

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This material, as supplied, 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 otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging: Contaminated packaging may contain traces of the product and therefore should be disposed of in the same way as product.

SECTION 14: Transport Information

US Department of Transportation Classification (49CFR)

Not regulated as dangerous goods.

IMDG (Transport by sea)

Not regulated as dangerous goods.

IATA (Transport by air)

Not regulated as dangerous goods.

Canada TDG Transportation of Dangerous Goods Regulations (SOR/2001-286)

Not regulated as dangerous goods.

Environmental hazards

Marine pollutant: This material is not expected to be a marine pollutant.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

No data available

SECTION 15: Regulatory Information

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is not hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All of the ingredients are listed on the U.S. EPA TSCA Inventory List.

CERCLA Hazardous Substance List, 40 CFR 302.4: This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

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Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories:

- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard – No

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed

Section 311 hazardous chemical: None listed

SARA Section 313 (Specific toxic chemical listings): None listed.

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986): No components are listed on Prop 65.

Massachusetts Right to Know: C.I. Acid blue 9, disodium salt (Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatoben) is listed on the Massachusetts Right to Know List.

New Jersey Right to Know: C.I. Acid blue 9, disodium salt (Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatoben) and sodium polyacrylate (Poly(acrylic acid sodium salt)) are listed on the New Jersey Right to Know list.

Pennsylvania Right to Know: C.I. Acid blue 9, disodium salt (Dihydrogen (ethyl)[4-[4-[ethyl(3-sulphonatobenzyl)]amino]-2'-sulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene](3-sulphonatoben) and sodium polyacrylate (Poly(acrylic acid sodium salt)) are listed on the Pennsylvania Right to Know List.

SECTION 16: Other Information

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DISCLAIMER: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 1910.1200. To the best of our knowledge, the

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information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.