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## Safety Data Sheet

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Issue Date: 03/01/16 Rev: 3

### SECTION 1: Identification

#### 1.1. Product identifier

Gel Blox™ Cooler & Shipping Pack – Gel Refrigerant

#### Product Identification Numbers

GB44, GB46, GB48, GB510, GB66, GB67, GB68, GB69, GB88, GB810  
GB44F, GB46F, GB48F, GB510F, GB66F, GB67F, GB68F, GB69F, GB88F, GB810F  
GB44NS, GB46NS, GB48NS, GB510NS, GB66NS, GB67NS, GB68NS, GB69NS, GB88NS, GB810NS

#### 1.2. Recommended use and restrictions on use

Gel Blox™ Cooler & Shipping Pack is a non toxic water-based gel refrigerant specifically designed and engineered for cold transport and storage of perishable items and shipping heat sensitive products. Designed as a safer alternative to dry ice, GEL BLOX Cold Shipping Packs are used in transit, coolers & lunch boxes and ideal for cold transport of various foods, pharmaceuticals, vaccines, blood samples, medicines, chocolates, meats and other perishable items. Gel Blox™ outer bag is a 3 mil poly, and is also available in No Sweat (reduces condensation) and Foil Material (deflects heat).

#### 1.3. Supplier's details:

**MANUFACTURER:** Nortech Labs Inc  
**ADDRESS:** 125 Sherwood Ave, Farmingdale NY 11735  
**TELEPHONE:** 888-COLD-PAK (265-3725)

#### 1.4. Emergency telephone number

800-935-0425 or visit <http://www.nortechlabs.com/faq.html>

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

## Gel Blox™ Cooler & Shipping Pack-Gel Refrigerant

### Pictograms

Not applicable.

### 2.3. Hazards not otherwise classified

None.

## SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Weight
SODIUM POLYACRYLATE	9003-04-7	2
WATER	7732-18-5	98
OUTER FILM Gel Blox™ Brand 3 MIL LLDPE	None	
OUTER FILM Foil (F) 48 GAUGE 2.5 MIL	None	
OUTER FILM Non Woven-No Sweat (NS) 1.2 OZ NON-WOVEN/ ADH/ 3 MIL WHITE LLDPE	None	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation:

No need for first aid is anticipated.

#### Skin Contact:

Wash with soap and water. If signs/symptoms develop, get medical attention.

#### Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### If Swallowed:

Although not a likely route of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, Rinse mouth, if you feel unwell, seek medical attention in the event of any adverse symptoms.

### 4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1. Information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

### 5.2. Special hazards arising from the substance or mixture

None inherent in this product.

### Hazardous Decomposition or By-Products

None inherent in this product.

## Gel Blox™ Cooler & Shipping Pack-Gel Refrigerant

### 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

None

### 6.2. Environmental precautions

None

### 6.3. Methods and material for containment and cleaning up

Use caution after contact of product with water, as extremely slippery conditions will result. Residuals maybe flushed with water into the drain for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

### 7.2. Conditions for safe storage including any incompatibilities

No special storage requirements. If possible, store in a cool dry place

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
SODIUM POLYACRYLATE	9003-04-7	AIHA	TWA(as total particulates):.05 mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists AIHA :

American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration TWA:

Time-Weighted-Average

STEL: Short Term Exposure Limit CEIL:

Ceiling

### 8.2. Exposure controls

None required.

#### 8.2.1. Engineering controls

None required

#### 8.2.2. Personal protective equipment (PPE)

None required

#### Eye/face protection

None required.

#### Skin/hand protection

No chemical protective gloves are required.

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### Respiratory protection

None required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**General Physical Form:** Gel

Appearance/Odor White Granular Powder, no odor  
pH 5.5 – 6.5 (1% in water)  
Specific Gravity (Bulk Density) 0.4 – 0.7 g/ml  
Vapor Pressure < 10 mm Hg  
Vapor Density NE  
Melting Point > 390 °F  
Freezing Point NA  
Boiling Point NA  
Solubility in Water Insoluble  
Evaporation Rate (%) < 1.0

## SECTION 10: Stability and reactivity

### 10.1. Chemical Stability

This material is chemically stable under normal and anticipated storage conditions.

### 10.2. Chemical stability – Conditions to Avoid

None

### 10.3. Hazardous Decomposition Products

Decomposition above 200° C

### 10.4. Hazardous Polymerization

Will not occur

## SECTION 11: Toxicological information

### 11.1. Information on Toxicological effects

#### A: General Product Information:

Acute oral toxicity:	LD50 rat Dose: > 5000 mg/kg Method: Limit Test
Acute dermal toxicity:	LD50 rat Dose: > 2000 mg/kg Method: Limit Test
Skin irritation:	Rabbit Method: OECD Nr. 404 Very slight irritant
Eye irritation:	Rabbit

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Sensitization: Method: OECD Nr. 405  
Very slight irritant  
Guinea pig  
Method: OECD Nr. 406  
Result: 0/20  
No sensitization

**B: Acute Toxicity – LD50/LC50**  
Sodium polyacrylate (9003-04-7)  
LD50: Oral LD50 Rat: > 40g/kg

### **Carcinogenicity:**

Component Carcinogenicity  
No information is available.

### **Chronic Toxicity**

Chronic inhalation exposure to rates for a lifetime (two years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m<sup>3</sup> and 0.8 mg/m<sup>3</sup>. Also, at 0.8 mg/m<sup>3</sup>, tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m<sup>3</sup>.

### **Mutagenicity**

Sodium polyacrylate had no effect in mutagenicity tests.

## SECTION 12: Ecological information

### **Eco toxicological information**

#### **General Product Information**

- A. Composted polyacrylate absorbents are non-toxic to aquatic or terrestrial organisms at predicted exposure levels.
- B. Component Analysis – Ecotoxicity – Aquatic Toxicity
- C. Environmental Fate
  - a. Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (> 90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylic absorbents will not affect the performance of waste water treatment systems. US EPA Waste Number & Descriptions

## SECTION 13: Disposal considerations

### **13.1. Disposal methods**

- A: General Product Information This product is a non-hazardous waste material suitable for approved solid waste landfills.
- B: Component Waste Numbers No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions Dispose of in accordance with Local, State, and Federal Regulations.

**EPA Hazardous Waste Number (RCRA):** Not regulated

## SECTION 14: Transport Information

This product is not a hazardous material and is not regulated by the Department of Transportation. For Transport Information, please visit [www.nortechlabs.com](http://www.nortechlabs.com) or call 888-COLD-PAK (265-3725)

## SECTION 15: Regulatory information

### 15.1. US Federal Regulations

Contact Nortech Labs Inc for more information.

This product is not a hazardous material and is not regulated by the Department of Transportation.

#### 311/312 Hazard Categories:

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

### 15.2. State Regulations

Contact Nortech Labs Inc for more information.

### 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of

TSCA. Contact Nortech Labs Inc for more information.

### 15.4. International Regulations

Contact Nortech Labs Inc for more information.

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## SECTION 16: Other information

### NFPA Hazard Classification

**Health: 1 Flammability: 0 Reactivity: 0 Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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