# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name**  
Jack Frost Cool Only Gel Pack & Jack Frost Reusable Hot/Cold Gel Pack (61115)  
Jack Frost Gel Reusable Micro Hot/Cold (70204, 70304)  
Jack Frost Gel Reusable Micro Hot/Cold w/Sleeve (70304A)  
Jack Frost Gel Reusable Insulated Hot/Cold (80204A, 80304A, 80104, 80600)

**Product Code(s)**  
61115, 70204, 70304, 70304A, 80204A, 80304A, 80104, 80600

**Recommended Use**  
Reusable Hot and Cold gel pack for thermal therapy.

### Supplier Address

Cardinal Health  
1430 Waukegan Road  
McGaw Park, IL  60085  
TEL:  1-800-964-5227 (Customer Service, 8:00am to 4:30pm CST M-F)

**Chemical Emergency Phone Number**  
Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

The product contains no substances which at their given concentration are considered to be hazardous to health.

**Appearance**  
Blue

**Physical State**  
Liquid.

**Odor**  
No information available

### OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

### Potential Health Effects

**Principle Routes of Exposure**  
Inhalation, Skin contact, Eye contact.

**Acute Toxicity**

- **Eyes**  
  May cause irritation.

- **Skin**  
  Prolonged skin contact may defat the skin and produce dermatitis.

- **Inhalation**  
  Not an expected route of exposure. Avoid breathing vapors or mists. May cause irritation of respiratory tract.

- **Ingestion**  
  May cause gastrointestinal discomfort if consumed in large amounts. Potential for aspiration if swallowed.

**Chronic Effects**  
May cause adverse kidney effects. Intentional ingestion of large quantities of the liquid may cause aggravation of kidney disorders and or lactic acidosis, stupor and seizures.
Aggravated Medical Conditions: Kidney disorders.

Environmental Hazard: See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>15-40</td>
</tr>
<tr>
<td>Quaternium-15</td>
<td>51229-78-8</td>
<td>0.1-1</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Eye Contact**: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

**Skin Contact**: Wash off with warm water and soap.

**Inhalation**: Move to fresh air.

**Ingestion**: Clean mouth with water and afterwards drink plenty of water. Consult a physician.

**Notes to Physician**: Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties**: Not flammable

**Flash Point**: Not determined.

**Suitable Extinguishing Media**: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Explosion Data**
- Sensitivity to Mechanical Impact: None
- Sensitivity to Static Discharge: None

**Protective Equipment and Precautions for Firefighters**: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Stability</th>
<th>Physical and Chemical Hazards</th>
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<tbody>
<tr>
<td>Health Hazard</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Ensure adequate ventilation. Use personal protective equipment. Avoid contact with the skin and the eyes.

Environmental Precautions
Refer to protective measures listed in Sections 7 and 8

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling
Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin and eyes.

Storage
Store in cool/well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection
No special protective equipment required. If splashes are likely to occur, wear safety glasses with side-shields.

Skin and Body Protection
No special protective equipment required. Lightweight protective clothing.

Respiratory Protection
None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Blue</td>
</tr>
<tr>
<td>Odor Threshold</td>
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</tr>
<tr>
<td>pH</td>
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<tr>
<td>Flash Point</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water.</td>
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<tr>
<td>Evaporation Rate</td>
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</tr>
<tr>
<td>Vapor Density</td>
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<tr>
<td>Odor</td>
<td>No information available</td>
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<tr>
<td>Physical State</td>
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<td>Autoignition Temperature</td>
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<td>Boiling Point/Range</td>
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<tr>
<td>Explosion Limits</td>
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<tr>
<td>Solubility</td>
<td>No information available</td>
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<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC Content</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

Incompatible Products

Conditions to Avoid
Excessive heat.

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors. Nitrogen oxides (NOx). Carbon oxides.

Hazardous Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information
No acute toxicity information is available for this product. Product does not present an acute toxicity hazard based on known or supplied information.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rabbit)</th>
<th>LC50 Inhalation</th>
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</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>20000 mg/kg</td>
<td>20800 mg/kg</td>
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</table>

Chronic Toxicity

Chronic Toxicity
May cause adverse kidney effects. Intentional ingestion of large quantities of the liquid may cause aggravation of kidney disorders and or lactic acidosis, stupor and seizures.

Target Organ Effects
Kidney.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated. Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods
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
Dispose of in accordance with local regulations.
### 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
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</tr>
<tr>
<td>MEX</td>
<td>Not regulated</td>
</tr>
<tr>
<td>ICAO</td>
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</tr>
<tr>
<td>IATA</td>
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<tr>
<td>IMDG/IMO</td>
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</tr>
<tr>
<td>RID</td>
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<tr>
<td>ADR</td>
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<tr>
<td>ADN</td>
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### 15. REGULATORY INFORMATION

#### International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Exempt</td>
</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>Does not comply</td>
</tr>
<tr>
<td>ELINCS</td>
<td>Does not comply</td>
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<tr>
<td>ENCS</td>
<td>Complies</td>
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<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

#### Legend

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

| Acute Health Hazard | No |
Chronic Health Hazard
No
Fire Hazard
No
Sudden Release of Pressure Hazard
No
Reactive Hazard
No

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

U.S. State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
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</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td></td>
<td></td>
<td>X</td>
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</table>

International Regulations

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

16. OTHER INFORMATION

Issuing Date  28-Aug-2009
Revision Date
Revision Note  No information available

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet