Section 1  
Product Description

Product Name: Glycerin Jelly  
Recommended Use: Science education applications  
Synonyms: N/A  
Distributor: Carolina Biological Supply Company  
2700 York Road, Burlington, NC 27215  
1-800-227-1150  

Chemical Information:  
800-227-1150 (8am-5pm (ET) M-F)  
Chemtrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2  
Hazard Identification

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

GHS Classification:

Other Safety Precautions: 
Not a dangerous substance according to GHS classification criteria. No known OSHA hazards.

Acute Toxicity Dermal Contains
53.9 % of the mixture consists of ingredient(s) of unknown toxicity

Acute Toxicity Inhalation Dust/Mist
53.9 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3  
Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>46.1</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>46.1</td>
</tr>
<tr>
<td>Gelatin</td>
<td>9000-70-8</td>
<td>7.09</td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>0.71</td>
</tr>
</tbody>
</table>

Section 4  
First Aid Measures

Emergency and First Aid Procedures

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Eyes: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 5  
Firefighting Procedures

Extinguishing Media: Use dry chemical, CO2 or appropriate foam.

Fire Fighting Methods and Protection: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Fire and/or Explosion Hazards: N/A Fire or excessive heat may produce hazardous decomposition products. Heating may cause an explosion.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Section 6  
Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Surfaces may become slippery after spillage.
Section 7 Handling and Storage

Handling: Keep container tightly closed in a cool, well-ventilated place. Keep away from ... (incompatible materials to be indicated by the manufacturer).

Storage: Suitable for any general chemical storage.

Material is hygroscopic (absorbs moisture).

Section 8 Protection Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH (TWA)</th>
<th>(STEL)</th>
<th>OSHA PEL (TWA)</th>
<th>(STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>N/A</td>
<td>N/A</td>
<td>15 mg/m³ TWA</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mist, total</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>particulate);</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5 mg/m³ TWA</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(mist, resolvable</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>fraction)</td>
<td></td>
</tr>
</tbody>
</table>

Control Parameters

Engineering Measures: No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Personal Protective Equipment (PPE):

Respiratory Protection: No respiratory protection required under normal conditions of use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection: Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Nitrile

Section 9 Physical Data

Formula: See Section 3

Molecular Weight: N/A

Appearance: Colorless Semi-solid

Odor: None

Odor Threshold: No data available

pH: No data available

Melting Point: 18 C

Boiling Point: 100 C

Flash Point: 199 C

Flammable Limits in Air: lower 0.9% N/A

Vapor Pressure: N/A

Evaporation Rate (BuAc=1): N/A

Vapor Density (Air=1): N/A

Specific Gravity: Approx. 1.3

Solubility in Water: Soluble

Log Pow (calculated): No data available

Autoignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Percent Volatile by Volume: No data available

Section 10 Reactivity Data

Reactivity: No data available

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Exposure to moisture

Incompatible Materials: Water-reactive materials, Acetic anhydride, Strong acids, Strong alkalies, Strong oxidizing agents, Caustics (bases)
Safety Data Sheet

Hazardous Polymerization: Will not occur

Section 11 Toxicity Data

Routes of Entry: Inhalation, ingestion, eye or skin contact.

Symptoms (Acute): N/A

Delayed Effects: No data available

Acute Toxicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>Oral LD50 Rabbit 2700 mg/kg</td>
<td>Dermal LD50 Rabbit 630 mg/kg</td>
<td>Inhalation LC50 Rat 316 MG/M3</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Oral LD50 Rat 90000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>Oral LD50 Rat 512 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Carcinogenicity:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Chronic Effects:

Mutagenicity: No evidence of a mutagenic effect.

Teratogenicity: No evidence of a teratogenic effect (birth defect).

Sensitization: No evidence of a sensitization effect.

Reproductive: No evidence of negative reproductive effects.

Target Organ Effects:

Acute: See Section 2

Chronic: Not listed as a carcinogen by IARC, NTP or OSHA.

Section 12 Ecological Data

Overview: This material is not expected to be harmful to the ecology.

Mobility: No data

Persistence: Biodegradation, Photodegradation

Bioaccumulation: No data

Degradability: No data

Other Adverse Effects: No data

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Eco Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>24 HR EC50 DAPHNIA MAGNA &gt; 500 MG/L</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>96 HR LC50 BRACHYDANIO RERIO 27.8 MG/L</td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>96 HR LC50 LEPOMIS MACROCHIRUS 13.5 MG/L [STATIC]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>96 HR LC50 ONCORHYNCHUS MYKISS 5 - 12 MG/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>96 HR LC50 PIMEPHALES PROMELAS 32 MG/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>48 HR EC50 DAPHNIA MAGNA 10.2 - 15.5 MG/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>96 HR EC50 PSEUDOKIRCHNERIELLA SUBCAPITATA 46.42 MG/L</td>
</tr>
</tbody>
</table>

Section 13 Disposal Information

Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Waste Disposal Code(s): Not Determined

Section 14 Transport Information
Section 15  Regulatory Information

TSCA Status:  All components in this product are on the TSCA Inventory.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>§ 313 Name</th>
<th>§ 304 RQ</th>
<th>CERCLA RQ</th>
<th>§ 302 TPQ</th>
<th>CAA 112(2) TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>Phenol</td>
<td>1000 lb RQ</td>
<td>1000 lb final RQ; 454 kg final RQ</td>
<td>500 lb lower TPQ; 10000 lb upper TPQ</td>
<td>No</td>
</tr>
</tbody>
</table>

Section 16  Additional Information


The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH  American Conference of Governmental Industrial Hygienists
CAS  Chemical Abstract Service Number
CERCLA  Comprehensive Environmental Response, Compensation, and Liability Act
DOT  U.S. Department of Transportation
IARC  International Agency for Research on Cancer
N/A  Not Available

NTP  National Toxicology Program
OSHA  Occupational Safety and Health Administration
PEL  Permissible Exposure Limit
ppm  Parts per million
RCRA  Resource Conservation and Recovery Act
SARA  Superfund Amendments and Reauthorization Act
TLV  Threshold Limit Value
TSCA  Toxic Substances Control Act
IDLH  Immediately dangerous to life and health