

## **MATERIAL SAFETY DATA SHEET**

GLYCERIN JELLY  
CAROLINA BIOLOGICAL

Revised: 06/17/09  
Replaces: 05/15/08  
Printed: 06/30/09

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### **1. PRODUCT DESCRIPTION**

Product Name: Glycerin Jelly  
Product Code(s): 86-5493, 86-5495  
Size: 4 oz, 1 LB  
Chemical Name: Product is mixture  
CAS Number: This is mixture  
Formula: see section 2  
Synonyms: None  
Distributor: Carolina Biological Supply Company  
2700 York Road  
Burlington, NC 27215

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

### **2. COMPOSITION/INFORMATION ON INGREDIENTS**

Principal Hazardous Components:

Gelatin (CAS#9000-70-8) 7.09%  
Glycerin(CAS#56-81-5) 49.65%  
Phenol(CAS# 108-95-2) .71%

TLV and PEL units:

Gelatin: None established  
Glycerin: (ACGIH-TLV) 10 mg/m3 (TWA)(mist)  
(OSHA-PEL) 15 mg/m3 (TWA)  
Phenol: (ACGIH-TLV) 5 ppm (skin)(TWA)  
(OSHA-PEL) 5 ppm (skin)(TWA)

### **3. HAZARD IDENTIFICATION**

Emergency Overview: Not expected to be a health hazard. May cause headache, nausea, diarrhea or irritation of respiratory tract.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

### **4. FIRST AID MEASURES**

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - Do not induce vomiting. If swallowed, if conscious, give plenty of water immediately and call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

### **5. FIREFIGHTING PROCEDURES**

Flash Point(Method Used): 160 °C (CC)

NFPA Rating: None established

Extinguisher Media:

Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: lower 0.9%

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Autoignition Temperature: 370 °C

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None known

### **6. SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

### **7. SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling or Storing: Store tightly closed in a cool, dry, well ventilated area away from incompatible materials.

### **8. SPECIAL PROTECTION INFORMATION**

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation.

NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical(General): Yes

Special: No

Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab apron, eye wash, and safety shower.

### **9. PHYSICAL DATA**

Molecular Weight: No information available

Melting Point: Approx. 19 °C (Pure Glycerin)

Boiling Point: Approx. 290 °C (Pure Glycerin)

Vapor Pressure: No information available

Vapor Density(Air=1): No information available

Specific Gravity(H<sub>2</sub>O=1): Approx. 1.3

Percent Volatile by Volume: No information available

Evaporation Rate(H<sub>2</sub>O=1): No information available

Solubility in Water: miscible

Appearance and Odor: Clear, extremely viscous,  
liquid with slight odor of phenol

### **10. REACTIVITY DATA**

Stability: Stable

Conditions to Avoid: Excessive heat and incompatible materials

Incompatibility(Materials to Avoid): Strong oxidizing agents, acetic anhydride, chromium oxides, Calcium Oxychloride, alkali metal hydrides

Hazardous Decomposition Products: Glycerin decomposes and may rise to acrolein gas. In a fire, toxic vapors may be evolved.

Hazardous Polymerization: Will not occur

### **11. TOXICITY DATA**

Toxicity Data: Mixture is not thoroughly evaluated.

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Gelatin: Non-toxic  
Glycerin-LD50(oral-rat): 12600 mg/kg  
Phenol- LD50(oral-rat): 317 mg/kg  
          LC50(ihl-rat): 316 mg/kg  
Effects of Overexposure:  
    Acute: See section 3  
    Chronic: Not listed as causing cancer by IARC, NTP, or OSHA  
Conditions Aggravated by Overexposure: No information available  
Target Organs: No information available  
Primary Route(s) of Entry: Eyes, skin, inhalation, ingestion

### **12. ECOLOGICAL DATA**

EPA Waste Numbers: Phenol U188

### **13. DISPOSAL INFORMATION**

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

### **14. TRANSPORT INFORMATION**

Non-regulated

### **15. REGULATORY INFORMATION**

EPA TSCA Status: On TSCA Inventory  
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals		CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
		Name List	Chemical Category		
Gelatin	No	No	No	No	No
Glycerin	No	No	No	No	No
Phenol	500/10000	Yes	No	1000	Yes

### **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. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

#### Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists  
CAS Number..Chemical Abstracts Service Number  
CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act  
DOT.....U.S. Department of Transportation  
IARC.....International Agency of Research on Cancer  
mppcf.....million particles per cubic foot  
N/A.....Not Available  
NTP.....National Toxicology Program  
OSHA.....Occupational Safety and Health Administration  
PEL.....Permissible Exposure Limit

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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