

**MATERIAL SAFETY DATA SHEET**

PHENOL RED  
CAROLINA BIOLOGICAL

Revised: 16/07/04  
Replaces: 09/05/00  
Printed: 20/05/08

**1. PRODUCT DESCRIPTION**

Product Name: Phenol Red  
Product Code(s): 87-9850, 87-9852, 87-9854  
Size: 1 g, 10 g, 25 g  
Chemical Name: Phenol Red  
CAS Number: 34487-61-1  
Formula: C<sub>19</sub>H<sub>13</sub>NaO<sub>5</sub>S  
Synonyms: Phenol Red Sodium Salt  
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**

Principle Hazardous Components: Phenol Red Sodium Salt (cas#34487-61-1) 100%

TLV and PEL units: None established

**3. HAZARD IDENTIFICATION**

Emergency Overview: Handling care generally in keeping with safe laboratory practices is recommended.

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 - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately 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): None

NFPA Rating: Health: 0

Fire: 0

Reactivity: 0

Extinguisher Media:

Use dry chemical, CO<sub>2</sub> or appropriate foam.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved

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self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None

### 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: Keep container closed. Store at controlled room temperature.  
Other Precautions: Do not breath vapor or mist. Do not get in eyes, on skin, or on clothing.

### 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:  
Neoprene, Butyl or PVC  
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: 376.36  
Melting Point: N/A  
Boiling Point: N/A  
Vapor Pressure: N/A  
Vapor Density(Air=1): N/A  
Specific Gravity(H<sub>2</sub>O=1): N/A  
Percent Volatile by Volume: N/A  
Evaporation Rate(H<sub>2</sub>O=1): N/A  
Solubility in Water: Soluble  
Appearance and Odor: Yellow Liquid

### 10. REACTIVITY DATA

Stability: Stable  
Conditions to Avoid: None  
Incompatibility(Materials to Avoid): None  
Hazardous Decomposition Products: Small quantities of SO<sub>x</sub>, CO<sub>x</sub>, Na<sub>2</sub>O  
Hazardous Polymerization: Will not occur

### 11. TOXICITY DATA

Toxicity Data: None  
Effects of Overexposure:  
Acute: See section 3  
Chronic: None  
Conditions Aggravated by Overexposure: No data available

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Target Organs: No data available  
Primary Route(s) of Entry: Inhalation, ingestion

## 12. ECOLOGICAL DATA

EPA Waste Numbers: None

## 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

|                                    | SARA EHS<br>Sec. 302<br>TPQ | SARA Sec. 313<br>Chemicals<br>Name Chemical<br>List Category | CERCLA<br>Sec. 103<br>RQ lbs. | RCRA<br>Sec. |
|------------------------------------|-----------------------------|--|-------------------------------|--------------|
| Product or<br>Components<br>261.33 |                             |  |                               |              |

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|            |    |    |    |    |
|------------|----|----|----|----|
| Phenol Red | No | No | No | No |
|------------|----|----|----|----|

## 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  
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