

CAROSAFE CONCENTRATE (P)  
CAROLINA BIOLOGICAL SUPPLY COMPANY

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### 1. PRODUCT DESCRIPTION

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Product Name: Caro-Safe Concentrate  
Product Code(s): 85-3351, 85-3353, 85-3355  
Size: 1L, 4L, 20L  
Chemical Name: No data available  
CAS Number: See section 2  
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

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

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Principle Hazardous Components:  
Propylene Glycol (CAS# 57-55-6)  
Ethylene Glycol Phenyl Ether (CAS# 122-99-6)  
Phenol (CAS# 108-95-2)  
TLV and PEL units:  
Propylene Glycol: N/A  
Phenol: OSHA-PEL 5 ppm, skin ACGIH-TLV 5 ppm, skin  
Ethylene Glycol Phenyl Ether: N/A

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### 3. HAZARD IDENTIFICATION

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Emergency Overview: Do not take internally. Can cause burns to eyes and skin.  
Vapor of some components can be irritating if inhaled.

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### 4. FIRST AID MEASURES

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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.

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### 5. FIREFIGHTING PROCEDURES

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Flash Point (Method Used): N/A  
NFPA Rating: To the best of our knowledge, this mixture has not been evaluated as a whole for its NFPA rating.  
Extinguisher Media:

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Revised 3/21/00

Replaces (None)

Printed 4/19/00

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### 5. FIREFIGHTING PROCEDURES (Cont.)

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Use dry chemical, CO2 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 self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Under intense heat, components of this mixture may produce hazardous decomposition products, give off irritating vapors, and give off heavy smoke and flammable vapors.

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### 6. SPILL OR LEAK PROCEDURES

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Steps to be Taken in Case Material is Released or Spilled: Use water fog to suppress production of vapors at hazardous concentrations. Use appropriate personal protective equipment during cleanup. Containerize for disposal. Decontaminate clothing and spill area with detergent and flush with copious amounts of water.

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### 7. SPECIAL PRECAUTIONS

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Precautions to be Taken in Handling or Storing: Avoid contact with skin, eyes and clothing. Store in a cool, dry, well-ventilated area below 120 F.

Other Precautions: Avoid breathing vapors.

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### 8. SPECIAL PROTECTION INFORMATION

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Respiratory Protection(Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Acceptable

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 coat, eye wash, and safety shower.

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### 9. PHYSICAL DATA

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Molecular Weight: Does not apply. Product is a mixture.

Melting Point: No data available

Boiling Point: No data available

Vapor Pressure: No data available

Vapor Density(Air=1): No data available

Specific Gravity(H2O=1): >1

Percent Volatile by Volume: No data available

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### 9. PHYSICAL DATA (Cont.)

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Evaporation Rate(H<sub>2</sub>O=1): No data available  
Solubility in Water: Complete  
Appearance and Odor: Colorless, odorless solution

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### 10. REACTIVITY DATA

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Stability: Stable  
Conditions to Avoid: Temperatures above 425 F, flame  
Incompatibility(Materials to Avoid): Water reactive materials, strong oxidizers, copper, brass, aluminum, magnesium, lead, zinc, strong bases  
Hazardous Decomposition Products: Not likely to occur, but if heated to decomposition, oxides of carbon and nitrogen may be evolved.  
Hazardous Polymerization: Will not occur

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### 11. TOXICITY DATA

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Toxicity Data: No data available for this mixture  
Effects of Overexposure:  
Acute: See section 3  
Chronic: Gastrointestinal discomfort, nausea, vomiting, lethargy, and diarrhea are listed as chronic effects. None of the components of this mixture are listed as causing cancer.  
Conditions Aggravated by Overexposure: N/A  
Target Organs: Skin, eyes, kidneys  
Primary Route(s) of Entry: Ingestion, skin, eye contact

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### 12. ECOLOGICAL DATA

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EPA Waste Numbers: U188 fro phenol

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### 13. DISPOSAL INFORMATION

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

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### 14. TRANSPORT INFORMATION

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N/A

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### 15. REGULATORY INFORMATION

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EPA TSCA Status: On TSCA Inventory  
Hazard Category for SARA Section 311/312 Reporting: Acute Chronic Fire  
SARA Sec. 313

Product or Components	SARA EHS	Chemicals	CERCLA	RCRA
	Sec. 302	Name	Sec. 103	Sec.
	TPQ	List	RQ lbs.	261.33
Propylene Glycol	No	No	No	No

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15. REGULATORY INFORMATION (Cont.)

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Phenol	Yes	Yes		1000	U188
Ethylene Glycol					
Phenyl Ether	No	No	No	No	No

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16. ADDITIONAL INFORMATION

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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 Services Abstract Number  
CERCLA.....Comprehensive Environmental Response, Compensation, and  
Liability Act  
DOT.....U.S. Department of Transportation  
IARC.....International Agency of 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