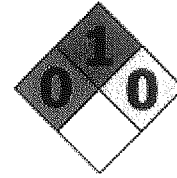


Material Safety Data Sheet



Carosafe®

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Carolina Biological Supply Company

2700 York Rd | Burlington, NC 27215 • to order: 800.334.5551 • for support: 800.227.1150

CAROLINA
www.carolina.com

Section 1 - Product Description

Product Name: Carosafe®
Product Code(s): 85-3341, 85-3343, 85-3345
Size: 4L, 20L, 4 x 20L
Chemical Name: N/A
CAS Number: See Section 3
Formula: See Section 3
Synonyms: None
Distributor: Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F) Chemtrec 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard Identification

Emergency Overview: Harmful if swallowed. Causes burns. Irritating to eyes, respiratory system and skin.

Potential Health Effects:

Eyes: May cause irritation.

Skin: May cause irritation to skin.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

Section 3 - Composition / Information on Ingredients

Principal Hazardous Components: Propylene Glycol(CAS# 57-55-6); Ethylene Glycol Phenyl Ether (CAS# 122-99-6); 2-amino-2-ethyl-1,3-propanediol (CAS# 115-70-8)

TLV units: N/A

PEL units: N/A

Section 4 - First Aid Measures

Emergency and First Aid Procedures:

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

Skin - After contact with skin, wash immediately with plenty of ... (Water, unless specified as water-reactive).

Ingestion - If swallowed, rinse mouth with water (only if the person is conscious). If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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

Section 5 - Firefighting Procedures

Flash Point (Method Used): 99 °C (CC) (Propylene Glycol)

NFPA Rating:

Health: 0

Fire: 1

Reactivity: 0

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

Flammable Limits in Air % by Volume: (Propylene Glycol) LEL: 2.6% UEL: 12.6%

Autoignition Temperature: 371 °C (Propylene Glycol)

Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

Section 6 - Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

Section 7 - Special Precautions

Precautions to Take in Handling or Storing: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

Keep at temperature not exceeding ... °C (to be specified by the manufacturer).

Keep container tightly closed in a cool, well-ventilated place.

Avoid contact with clothing.

Avoid contact with skin and eyes.

Section 8 - Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. 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: Natural rubber, Neoprene, PVC or equivalent.

Eye Protection: Splash proof chemical safety goggles should be worn.

Other Protective Clothing or Equipment: Lab coat, apron, eye wash, safety shower.

Section 9 - Physical Data

Molecular Weight: N/A

Boiling Point: N/A

Vapor Density(Air=1): N/A

Percent Volatile by Volume: N/A

Solubility in Water: Soluble

Melting Point: N/A

Vapor Pressure: N/A

Specific Gravity (H₂O=1): >1

Evaporation Rate (BuAc=1): N/A

Appearance and Odor: Colorless, odorless solution.

Section 10 - Reactivity Data

Stability: Stable

Conditions to Avoid: Heat and sources of ignition.

Incompatibility (Materials to Avoid): Heavy Metals, Bases, Metals, Water-reactive Material, Oxidizers,

Hazardous Decomposition Products: NO_x, CO_x,

Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

Toxicity Data: (Propylene Glycol) orl-rat LD50 20 gm/kg

(Ethylene glycol Phenyl Ether) orl-rat LD50 1260 mg/kg

Effects of Overexposure:

Acute: See Section 2

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

Conditions Aggravated by Overexposure: N/A

Target Organs: Eyes, Skin, Kidneys,

Primary Route(s) of Entry: Inhalation, ingestion, eye or skin contact.

Section 12 - Ecological Data

EPA Waste Numbers: N/A

Section 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.

Section 14 - Transport Information

DOT Proper Shipping Name: N/A

Section 15 - Regulatory Information

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute Chronic

WARNING: This product contains a material known to the state of California to cause cancer.

Name List:

Propylene Glycol - No

Ethylene Glycol Phenyl Ether - No

2-amino-2-ethyl-1, 3-propanediol: No

Chemical Category:

Propylene Glycol - No

Ethylene Glycol Phenyl Ether - Yes

2-amino-2-ethyl-1, 3-propanediol: No

CERCLA Section 103 RQ(lb.): Propylene Glycol - No

Ethylene Glycol Phenyl Ether - No

2-amino-2-ethyl-1, 3-propanediol: No

RCRA Section 261.33: Propylene Glycol - No

Ethylene Glycol Phenyl Ether - No

2-amino-2-ethyl-1, 3-propanediol: No

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. 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