

Material Safety Data Sheet



Carbol Fuchsin, Kinyoun

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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: Carbol Fuchsin, Kinyoun

Product Code(s): 85-2663, 85-2665

Size: 120 mL, 500 mL

Chemical Name: Does Not Apply

CAS Number: See Section 3

Formula: See Section 3

Synonyms: None Known

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: Toxic by inhalation and if swallowed. Irritating to eyes and respiratory system. May cause cancer.

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: Ethanol (CAS# 64-17-5) 19%; Basic Fuchsin (CAS # 569-61-9) 4%; Phenol (CAS # 108-95-2) 8%; ***Denaturants (trace)***

2-Propanol

Methanol

TLV units: Phenol: ACGIH-TLV 5 ppm (skin) (TWA)

Ethanol: ACGIH-TLV 1000 ppm (TWA)

2-Propanol: ACGIH-TLV 200 ppm TWA (400 ppm STEL)

Methanol: ACGIH-TLV 200 ppm TWA (250 ppm STEL)

PEL units: Phenol: OSHA-PEL 5 ppm (skin) (TWA)

Ethanol: OSHA-PEL 1000 ppm (TWA)

Methanol: OSHA-PEL 200 ppm TWA (260 mg/m³ TWA)

OSHA-PEL 400 ppm TWA (980 mg/m³ TWA)

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, take off immediately all contaminated clothing, and wash immediately with plenty of water.
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 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 5 - Firefighting Procedures

Flash Point (Method Used): N/A

NFPA Rating:

Health: 3

Fire: 2

Reactivity: 0

Extinguisher Media: 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: Vapours may travel back to ignition source. Closed Containers exposed to heat may explode.

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: Bond and ground containers when transferring liquid.

Keep away from oxidizing materials and strong acids.

This material should be kept in an area suitable for the storage of flammable liquids. Store away from oxidizing agents, sparks and flame.

Toxic by inhalation and if swallowed. Keep container tightly closed in a cool, well-ventilated place.

Keep locked up and out of the reach of children.

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: Yes

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: 100%

Solubility in Water: Soluble

Melting Point: N/A

Vapor Pressure: N/A

Specific Gravity (H₂O=1): N/A

Evaporation Rate (BuAc=1): N/A

Appearance and Odor: Blue liquid with alcoholic odor.

Section 10 - Reactivity Data

Stability: Stable

Conditions to Avoid: Heat and sources of ignition.

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

Hazardous Decomposition Products: CO_x, HCl, NO_x,

Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

Toxicity Data: (Ethanol) ORL LD50 - Rat: 7060 mg/kg

(Phenol) ORL LD50 - Rat: 317 mg/kg

(2-propanol) ORL LD50 - Rat: 4396 mg/kg

(Methanol) ORL LD50 - Rat: 5628 mg/kg

(Basic Fuchsin) ORL LDLo - Rabbit: 180 mg/kg

Effects of Overexposure:

Acute: See Section 2

Chronic: Mutation data cited. Reproductive data cited. Tumorigenic data cited. Tests on laboratory animals indicate material may produce adverse mutagenic and reproductive effects. Not listed as a carcinogen by IARC, NTP or OSHA.

Conditions Aggravated by Overexposure: Skin disorders, Eye disorders, Liver disorders, Impaired Kidney Function,

Target Organs: Kidneys, Liver, Skin, Eyes,

Primary Route(s) of Entry: N/A

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: UN1992, Flammable liquid, toxic, N.O.S. (ethanol, pehnol), 3 (6.1), PGIII

Section 15 - Regulatory Information

EPA TSCA Status: On TSCA Inventory

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

Name List:

Basic Fuchsin - No

Ethanol - No

2-Propanol - Yes

Methanol - Yes

Phenol - Yes

Chemical Category:

Basic Fuchsin - No

Ethanol - No

2-Propanol - No

Methanol - No

Phenol - No

CERCLA Section 103 RQ(lb.): Basic Fuchsin - No

Ethanol - No

2-Propanol - No

Methanol - 5000 lbs (2270 kg)

Phenol - 1000 lbs (454 kg)

RCRA Section 261.33: Basic Fuchsin - No

Ethanol - No

2-Propanol - No
Methanol - Yes
Phenol - Yes

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

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| 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 |