

## Material Safety Data Sheet



# Carbol Fuchsin, Kinyoun

Revised: 12/14/2011  
Replaces: 12/14/2011  
Printed: 08/31/2012

**Carolina Biological Supply Company**

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**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/m<sup>3</sup> TWA)

OSHA-PEL 400 ppm TWA (980 mg/m<sup>3</sup> 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<sub>x</sub>, HCl, NO<sub>x</sub>,

**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

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