

EMS CATALOG NO: 26087-05 & 10
EMS PRODUCT: Kinyoun's CarbolFuchsin
Solution
DATE: 06/15/2006
PAGE NUMBER: One of 4

MATERIAL SAFETY DATA SHEET

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Electron Microscopy Sciences assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.

ELECTRON MICROSCOPY SCIENCES

321 MORRIS ROAD

P.O. BOX 251

FORT WASHINGTON, PA 19034

(215) 646-1566

24 HOUR EMERGENCY PHONE NUMBER

CHEMTREC: (800) 424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION % (OPTIONAL)

COMMON NAME: Kinyoun's Carbon Fuchsin Solution

- | | |
|---|-------|
| 1. BASIC FUCHSIN (C ₂₀ H ₂₀ C ₁ N ₃) | 3.1% |
| CAS# 632-99-5 CI# 42510 | |
| SYNONYMS: Basic Violet 14; Rosaniline | |
| BASIC FUCHSIN IS A CANCER SUSPECT AGENT !!! | |
| TOXICITY: orl-rat LD50: 1:65 gm/kg | |
| 2. ETHYL ALCOHOL (C ₂ H ₅ OH) CAS# 46-17-5 | 14.7% |
| SYNONYMS: Ethanol: alcohol anhydrous | |
| TLV: 1000 ppm in air: 1880 mg/M ³ | |

TXDS: (orl-rat) LD50: 13.7g/kg

3. METHYL ALCOHOL (CH₃OH) CAS# 67-56-1 0.7%
SYNONYMS: Wood alcohol; methanol; carbinol; methanol; wood spirit
TLV: 260 mg/M³ (200 ppm) LD50 (orl-rat)(mg/kg) - 5628
STEL: 310 mg/M³ (250 ppm) LD50 (ipr-rat)(mg/kg) - 9540
PEL: 260 mg/M³ (200 ppm) LD50 (scu-mus)(mg/kg) - 9800
4. PHENOL (C₆H₅O-H) CAS#108-95-2 6.25%
MOL. WT. 94.11
SYNONYMS: Benzenol; Carboic Acid; Monophenol; Oxybenzene;
Phenic Acid; Phenyl Alcohol
EXPOSURE LIMITS: 5ppm (19mg/M³) osha TWA (skn)
5ppm (19mg/M³) ACGIH TWA (skn)
20 mg/M³ (5.2 ppm) NIOSH Rec. 10 Hr. TWA
60 mg/M³ (15.6 ppm) NIOSH Rec. 15 min. ceiling
IRRITATION DATA: 500 mg/24H skn-rbt SEV
535 mg/open skn-rbt SEV
100 mg skn-rbt MLD
5 mg/ eye-rbt SEV
5 mg/30 sec rinsed eye-rbt MLD
TOXICITY DATA: 316 mg/M³ inh-rat LC50
177 mg/M³ inh-mus LC50
74 mg/M³ inh-mam LC50
14 gm/kg orl-Hum LDLO
1.40 mg/kg orl-Hum LDLO

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A
VAPOR PRESSURE (mmHg.): N/A
VAPOR DENSITY (AIR=1): N/A
SPECIFIC GRAVITY (H₂O=1): N/A
MELTING POINT: N/A
EVAPORATION RATE (Butyl acetate=1): N/A
SOLUBILITY IN WATER: Yes
APPEARANCE AND ODOR: Dark red liquid, odor or phenol

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A
FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus and full face piece operated in positive pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

REACTIVITY DATA

UNSTABLE _____ STABLE X
CONDITIONS TO AVOID: Heat, flame and sparks.
INCOMPATIBILITY (MATERIALS TO AVOID): N/A
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A
HAZARDOUS POLYMERIZATION: May occur _____ Will not occur: X
CONDITIONS TO AVOID: N/A

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY:

Inhalation? Yes Skin?: Yes Ingestion?: Yes

HEALTH HAZARDS (ACUTE AND CHRONIC): **WARNING PHENOL AND BASIC FUCHSIN**

ARE CANCER SUSPECT AGENTS! Avoid all routes of exposure.

POISON! Vapors harmful! Methanol may be fatal or cause blindness if swallowed. Phenol causes skin & eye burns and can be absorbed through skin. Inhalation can cause nausea, drowsiness and vomiting.

CARCINOGENICITY:

NTP?: N/A IARC MONOGRAPHS?: N/A OSHA

REGULATED?: N/A

SIGNS AND SYMPTOMS OF EXPOSURE: Numbness of skin. Burns to skin & eyes, nausea, drowsiness and vomiting.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES: **CALL A PHYSICIAN!** If not breathing, give artificial respiration. If breathing is difficult give oxygen.

EYE OR SKIN CONTACT: Flush immediately with water for at least 15 minutes. **CALL A PHYSICIAN!**

INGESTION: If conscious - induce vomiting - follow with spoonful of castor oil. **GET MEDICAL ATTENTION IMMEDIATELY!**

PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Isolate the

area. Eliminate all sources of ignition. Cover with sand or earth. Containerize for proper disposal. Avoid contamination of waterways.

WASTE DISPOSAL METHOD: In accordance with all current local, state and federal environmental regulations.

OTHER PRECAUTIONS: Avoid all routes of exposure. Keep container tightly sealed. Keep away from heat, flames and sparks. Use care when handling. Do not breathe vapors.

CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Approved respirator

VENTILATION: Local Exhaust

Mechanical (General)

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Safety goggles/face shield

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Approved work clothes

WORK/HYGIENIC PRACTICES: Use care when handling. Avoid all routes of exposure.