

EMS CATALOG NO: 26080-05
EMS PRODUCT: Mucicarmine Stock Solution
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MATERIAL SAFETY DATA SHEET

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ELECTRON MICROSCOPY SCIENCES

1560 INDUSTRY ROAD
P.O. BOX 550
HATFIELD, PA 19440
(215) 412-8400

24 HOUR EMERGENCY PHONE NUMBER
CHEMTREC: (800) 424-9300

FOR PRODUCT AND SALES INFORMATION

CONTACT ELECTRON MICROSCOPY SCIENCES OFFICE ABOVE.

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

PRODUCT NAME: Mucicarmine Stock Solution

CARMINE, certified, C.I. 75470 CAS# 1390-65-4 1%
RTECS #: FH8891000
SYNONYMS: B Rose Liquid

NO TOXICITY DATA AVAILABLE

ALUMINUM CHLORIDE HEXAHYDRATE, 99% (AlCl₃-6H₂O) 0.5%
CAS# 7784-13-6 RTECS #: BD0530000
IRRITATION DATA: skn-hmn 7500 UG/3D-I MLD
TOXICITY DATA: orl-rat LD50: 3700mg/kg

ETHYL ALCOHOL (C₂H₅CH) CAS # 64-17-5 47.5%
SYNONYMS: Ethanol; alcohol anhydrous
TLV: 1000 ppm in air: 1880 mg/m³ TXDS: (orl-rat) LD50: 13.7 g/kg

METHYL ALCOHOL (CH₃CH) CAS # 67-56-1 2.5%
SYNONYMS: Wood alcohol; methanol; carbinol; methylol; 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

WATER: (D-H₂O) CAS# 7732-18-5 Balance

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	N/A	MELTING POINT:	N/A
SPECIFIC GRAVITY (H ₂ O=1):	N/A	VAPOR DENSITY (air=1):	N/A
VAPOR PRESSURE(mmHg):	N/A	EVAPORATION RATE (Butyl acetate=1):	N/A
SOLUBILITY IN WATER:	Yes		
APPEARANCE AND ODOR:	Red volatile liquid; alcohol odor		

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 63°F
FLAMMABLE LIMITS: N/A LEL: UEL:

EXTINGUISHING MEDIA:

Alcohol foam, carbon dioxide, dry chemical water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin & eyes. Water may be ineffective in fighting fire. Use water spray to keep fire exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back.

REACTIVITY DATA

STABLE: Yes

CONDITIONS TO AVOID: Heat, flame and sparks.

INCOMPATIBILITY (Materials to avoid):

Chromic acid, Iodine, Mercuric oxide, lead perchlorate, chloroform

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

HEALTH HAZARD DATA

ROUTES OF ENTRY: Inhalation, skin and ingestion

HEALTH HAZARDS (ACUTE AND CHRONIC):

Blindness, death, irritation, headache, drowsiness, fatigue and narcosis.

CARCINOGENICITY: N/A IARC Monographs: N/A OSHA Regulated: N/A

SIGNS AND SYMPTOMS OF EXPOSURE:

Prolonged exposure to excessive concentrations of Ethanol may result in an irritation of mucus membranes, headache, drowsiness, fatigue, and narcosis. Overexposure to methanol can result in acidosis and visual disturbances which can lead to permanent loss of vision.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES: CALL A PHYSICIAN!

INHALATION: Remove to fresh air.

INGESTION: Induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person.

CONTACT: Flush with plenty of water for at least 15 minutes. Remove

contaminated clothing.

PRECAUTIONS FOR SAFE HANDLING AND USE

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

Wearing protective gear, eliminate all sources of ignition.
Absorb on sand, earth or vermiculite. Carefully sweep up and
containerize for proper disposal.

WASTE DISPOSAL METHOD: In accordance with all current local, State
and Federal environmental regulations.

OTHER PRECAUTIONS: Use with adequate ventilation.

CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type):

An appropriate NIOSH approved respirator for organic vapor should
be worn.

VENTILATION: Local exhaust or general mechanical

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Safety goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Approved work clothes.

WORK/HYGIENIC PRACTICES: Use care in handling. Avoid contact with skin, eyes
and clothing.

TRANSPORT INFORMATION: ALCOHOLS, N.O.S. (SD ALCOHOL) UN 1987
FLAMMABLE LIQUID PG 11

SECTION REGULATORY INFORMATION: CERCLA-YES SARA 111-YES