

EMS CATALOG NO: 26090-XX
EMS PRODUCT: Alcoholic Congo Red
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MATERIAL SAFETY DATA SHEET

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PRODUCT IDENTIFICATION

COMMON NAME: Alcoholic Congo Red Solution

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

1. Ethyl Alcohol; (C₂H₅OH) CAS# 46-17-5 68.4%
Synonyms: Ethanol, alcohol, anhydrous TXDS ORL-Rat LD50: 13.7 G/Kg
2. Methyl Alcohol; (CH₃OH) CAS# 67-56-1 3.6%
Synonyms: Wood Alcohol, methanol, carbinol, Methyl O1, Wood Spirit
RTECS No. PC1400000 TXDS SCU-MUS LD50: 6000 mg/kg
3. Isopropanol (CH₃CHOHCH₃) CAS# 67-63-0 8%
Synonyms: 2 propanol, Isopropyl Alcohol; Dimethylcarbinol; IPA
RTECS No.: NT805000 TXDS Ori-dog LD50: 6000 mg/kg

4. Congo Red; (C₃₂H₂₂O₂N₆S₂Na₂) CAS# 573-58-0 0.2%
Synonyms: Sodium Diphenyl-bis-alpha-naphthylamine Sulfonite, Direct Red 28
RCES# GK14000000 TXDS inv-rat LD50: 190mg/kg
5. Sodium Chloride, ACS Reagent (NaCl) CAS# 7647-14-5 TXDS ORL-Rat
LD50: 300mg/kg

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: Brick-red solution with clove odor.

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 operated in positive pressure mode and full protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic and corrosive fumes.

REACTIVITY DATA

UNSTABLE _____ STABLE : __XX__
CONDITIONS TO AVOID: Heat, flames and sparks
INCOMPATIBILITY (Materials to Avoid): Chromic acid, Iodine, Mercuric Oxide, lead Perchlorate, Chloroform
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
HAZARDOUS POLYMERIZATION: May Occur _____ Will not Occur __XX__
CONDITIONS TO AVOID:

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Inhalation, Skin Ingestion
HEALTH HAZARDS (ACUTE AND CHRONIC): POISON! Vapors harmful! May be fatal or cause blindness if swallowed. Liquid causes eye irritation. Inhalation may cause drowsiness, nausea and vomiting.
CARCINOGENICITY:
NTP: N/A **IARC MONOGRAPHS?:** N/A **OSHA REGULATED:** N/A

SIGNS AND SYMPTOMS OF EXPOSURE: Irritation to skin & eyes, drowsiness, nausea and vomiting. Prolonged exposure to excessive concentrations of ethanol may result in an irritation to mucus membranes. Overexposure can result in acidosis or permanent loss of vision.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES: CALL A PHYSICIAN! If swallowed, if conscious, induce vomiting at once then give 2 teaspoons of baking soda in a glass of water. Cover eyes to exclude light. If INHALED remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

PRECAUTIONS FOR SAFE HANDLING AND USE

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Flammable. Keep away from heat, sparks and flame. Keep container well sealed. Avoid breathing vapor. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing.

OTHER PRECAUTIONS: DO NOT CONTAMINATE WATERWAYS!

CONTROL MEASURES

RESPIRATOR PROTECTION (SPECIFY TYPE): An appropriate NIOSH approved respirator of organic vapor.

VENTILATION: Local Exhaust, Mechanical (General)

PROTECTIVE CLOTHING OR EQUIPMENT: Approved work clothes, Rubber Gloves, Face Shield.

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