

Health
Cont.

FEB 04 1992

450

MATERIAL SAFETY DATA SHEET

EM DIAGNOSTIC SYSTEMS, INC.
480 DEMOCRAT ROAD
GIBBSTOWN, N.J. 08027
609-423-6300

DATE ISSUED: 5/13/85

DATE REVISED: 5/7/90

1. IDENTIFICATION

B4127-1-2

PRODUCT NAME: HEMACOLOR SOLUTION I
CATALOG NO. 65044A, Component in set 65044/93
CHEMICAL NAME: METHYL ALCOHOL
SYNONYM: METHANOL, WOOD ALCOHOL
CAS #: 67-56-1
CHEMICAL FAMILY: ALCOHOLS
FORMULA: CH₃H
FORMULA WEIGHT: 32.04

2. PHYSICAL DATA

BOILING POINT: (°C) 64.6
MELTING POINT: (°C) -98
VAPOR PRESSURE: (@20°C) 100 mm
VAPOR DENSITY: (AIR = 1) 1.11
PERCENT VOLATILES BY VOLUME: NA
SPECIFIC GRAVITY: .791
SOLUBILITY IN WATER: MISCIBLE
APPEARANCE AND ODOR: CLEAR LIQUID, SLIGHT ALCOHOLIC ODOR
EVAPORATION RATE (BUTYL ACETATE = 1): 5.9

SECTION 313 SUPPLIER NOTIFICATION This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

3. HAZARDOUS INGREDIENTS

CONC. CAS#

METHYL ALCOHOL 99.8% 67-56-1

The statements contained herein are offered for informational purposes only and are intended to be followed only by persons having related technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control we make no warranties, express or implied, and assume no liability in connection with any use of this information.

 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 12°C (54°F)
 FLAMMABLE LIMITS: Uel: 36.5% Lel: 6.0%
 EXTINGUISHING MEDIA: ALCOHOL FOAM, DRY CHEMICAL, CO₂
 SPECIAL HAZARDS AND PROCEDURES:
 METHYL ALCOHOL WILL ATTACK SOME FORMS OF PLASTIC, RUBBER
 AND COATINGS. MAY ALSO REACT WITH METALLIC ALLUMINUM AT HIGH
 TEMPERATURES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 MODERATE HAZARD WHEN EXPOSED TO FLAME. VIOLENT REACTIONS WITH
 CrO₃ (I + ETHANOL + HgO), Pb(ClO₄)₂, HClO₄,
 P₂O₃ (KOH + CHCl₃), (NaOH + CHCl₃)

 5. HEALTH HAZARD DATA

TOXICOLOGY: SKIN: (X) IRRITANT () NON-IRRITANT
 EYE: (X) IRRITANT () NON-IRRITANT
 LD_{Lo} ORL-HMN; 340 mg/kg
 LD_{Lo} UKN-MAN; 868 mg/kg
 EYE^o-HMN; 5ppm
 TC_{Lo} INH-HMN; 86000 mg/m³ IRR

THRESHOLD LIMIT VALUE: (AIR) 200 ppm
 EFFECTS OF OVEREXPOSURE:
 DEATHS HAVE BEEN REPORTED WHEN AS LITTLE AS 30 MLS HAS BEEN
 INGESTED.
 INGESTION: HEADACHE, DRUNKENNESS, DROWSINESS, IRRITATION OF EYES
 BLURRED VISION, BLINDNESS, CENTRAL NERVOUS SYSTEM EFFECTS.
 INHALATION: SAME AS INGESTION.
 SKIN: REPEATED EXPOSURE CAN CAUSE IRRITATION.
 EYES: " " " " "

FIRST AID PROCEDURES:
 EYES: WASH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER
 EYELIDS OCCASIONALLY - GET MEDICAL ATTENTION.
 SKIN: FLUSH WITH WATER; IF IT SOAKS THROUGH CLOTHES
 REMOVE CLOTHING AND FLUSH WITH WATER. IF IRRITATION IS PRE-
 SENT GET MEDICAL ATTENTION.
 INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED
 GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.
 INGESTION: GET MEDICAL ATTENTION IMMEDIATELY.

6. REACTIVITY

STABLE (X)
UNSTABLE()
CONDITIONS TO AVOID:HEAT
MATERIALS TO AVOID:
() WATER () ACIDS () BASES () CORROSIVES (X) OXIDIZERS
() OTHER (SPECIFY)
HAZARDOUS DECOMPOSITION PRODUCTS:
TOXIC GASES SUCH AS FORMALDEHYDE AND CO.

7. SPILL OR LEAK PROCEDURES AND DISPOSAL

IF RELEASED OR SPILLED:REMOVE ALL IGNITION SOURCES; VENTILATE
AREA OF SPILL OR LEAK. SMALL QUANTITIES CAN BE ABSORBED WITH PAPER
TOWELS. EVAPORATE UNDER HOOD.

WASTE DISPOSAL METHOD:To be performed in compliance with all
current local, state and federal regula-
tions.

8. SPECIAL PROTECTION INFORMATION

VENTILATION:LOCAL EXHAUST VENTILATION
RESPIRATORY PROTECTION:
PROTECTIVE CLOTHING:GLOVES
EYE PROTECTION:SAFETY GOGGLES
- WASH THOROUGHLY AFTER HANDLING -

9. SPECIAL HANDLING AND STORING INFORMATION

DOT - FLAMMABLE LIQUID, LABEL; FLAMMABLE LIQUID.
-STORE IN A COOL TEMPERATURE CONTROLLED AREA.
- KEEP AWAY FROM OPEN FLAME.

10. LABEL WARNINGS

DANGER! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED.
FLAMMABLE. VAPOR HARMFUL. CAUSES EYE IRRITATION. POISON.
Do not breathe in vapor. Do not get in eyes, on skin, on
clothing. Keep container closed. Use with adequate ventilation.
Keep away from heat, sparks and open flame. Wash thoroughly
after handling.

CANNOT BE MADE NONPOISONOUS
FIRST AID:If swallowed call a physician immediately.
In case of contact, immediately flush eyes with plenty of water
for at least 15 minutes. call a physician.
