

MATERIAL SAFETY DATA SHEET

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

DATE ISSUED: 8/6/85

B5333-9A

DATE REVISED:

1. IDENTIFICATION

PRODUCT NAME: Glucose Reagent *ORTHO-Toluidine*
CATALOG NO.: 64147A
CHEMICAL NAME: NA
SYNONYM: NA
CAS #: NA
CHEMICAL FAMILY: Acid
FORMULA: NA
FORMULA WEIGHT: NA

2. PHYSICAL DATA

BOILING POINT: (°C) 118.1°
MELTING POINT: (°C) 16.7°
VAPOR PRESSURE: (@20°C) 11.4mm
VAPOR DENSITY: (AIR = 1) 2.07
PERCENT VOLATILES BY VOLUME:
SPECIFIC GRAVITY: 1.05
SOLUBILITY IN WATER: Miscible
APPEARANCE AND ODOR: Pungent odor, liquid
EVAPORATION RATE (BUTYL ACETATE = 1): 0.97

3. HAZARDOUS INGREDIENTS

CONC.

CAS#

Acetic Acid Glacial

940ml/L

64-19-7

O-Toluidine

60ml/L

95-53-4

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: 113°F (EMDS Tested)

FLAMMABLE LIMITS: Uel: 16.0% Lel: 5.4% @ 212°F

EXTINGUISHING MEDIA: CO₂, dry chemical, alcohol foam, foam
 and mist

SPECIAL HAZARDS AND PROCEDURES: Moderate fire hazard when
 exposed to heat of flame. Can
 react vigorously with oxidizing
 material

UNUSUAL FIRE AND EXPLOSION HAZARDS: Moderate when exposed to
 flame.

 5. HEALTH HAZARD DATA

TOXICOLOGY: SKIN: (X) IRRITANT () NON-IRRITANT
 EYE: (X) IRRITANT () NON-IRRITANT

SKIN: () CORROSIVE (X) NON-CORROSIVE
 EYE: () CORROSIVE (X) NON-CORROSIVE
 LD50: 1.25 +- 0.1 gm/kg oral rat

THRESHOLD LIMIT VALUE: (AIR) Air 10 ppm

EFFECTS OF OVEREXPOSURE: INHALATION: Irritation of mucous
 membrane.

SKIN: Dermatitis and ulcers; caustic
 irritation can cause burns,
 lacrymation and conjunctivitis.

FIRST AID PROCEDURES:

EYES: Flush with copious amounts of water; contact a
 physician.

SKIN: Immediately flush with water and remove contaminated
 clothing. Call physician immediately.

INHALATION: Remove to fresh air. Contact physician.

INGESTION: Give milk of magnesia, chalk or whiting water.
 Call physician immediately.

 6. REACTIVITY

STABLE (X)

UNSTABLE()

CONDITIONS TO AVOID: Heat

MATERIALS TO AVOID:

() WATER () ACIDS () BASES () CORROSIVES (X) OXIDIZERS

(X) OTHER (SPECIFY) Incompatible with chromic acid,
 5-azidotetrazole, sodium peroxide, nitric acid, acetaldehyde,
 2-amino-ethanol, NH_4NO_3 , BrF_3 , ClF_3 , chlorosulfonic
 acid, (O_3 + diallyl methyl carbinol), ethylenediamine,
 ethylene imine, H_2O_2 , (HNO_3 + acetone), potassium-
 tert-butoxide, oleum, HClO_4 , permanganates, $\text{F}(\text{OCN})_3$,
 PCl_3 , KOH, NaOH, n-xylene.

HAZARDOUS DECOMPOSITION PRODUCTS: Emits toxic fumes

 7. SPILL OR LEAK PROCEDURES AND DISPOSAL

IF RELEASED OR SPILLED: Remove all ignition sources, ventilate
 area; mop up with paper towels, evaporate
 in a fume 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 Use with adequate
 ventilation

RESPIRATORY PROTECTION: Respirator

PROTECTIVE CLOTHING: GLOVES

EYE PROTECTION: SAFETY GOGGLES

- WASH THOROUGHLY AFTER HANDLING -

 9. SPECIAL HANDLING AND STORING INFORMATION

DOT LABEL: CORROSIVE

Refrigerate reagent - may be stored at 15 - 30° if used in
 30 days.