

M39

87-5505

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Methyl red, 0.2%
Size: 500ml
Chemical name: does not apply
Formula: Methyl red indicator.....0.2g
Ethanol, 95%.....60.0ml
Distilled water.....40.0ml

Manufacturer: Carolina Biological Supply Company
Address: 2700 York Road
For Information on Health Hazards Call: (919) 584-0381
For Other Information Call: (919) 584-0381
Date: Revised 11/26/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): Ethanol- 57%, Methyl isobutyl ketone 2.4%
TLV (Units): Ethanol 1000ppm, Methyl isobutyl ketone 100ppm

SECTION III PHYSICAL DATA

Boiling Point (F.): no information available
Vapor Pressure (mm Hg.): no information available
Vapor Density (Air=1): no information available
Specific Gravity (H₂O=1): no information available
Percent Volatile By Volume (%): 99+
Evaporation Rate (=1): no information available
Solubility in Water: 100%
Appearance and Odor: red liquid, slightly fruity odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): (CC) 54F
Extinguisher Media: Use carbon dioxide or dry chemical for small fires.
Use alcohol-type foam for large fires. Addition of water (fog) will aid in reducing burning rate.
Flammable Limits in Air % by Vol.: no information available
Autoignition Temperature: no information available
Special Fire Fighting Procedures: none
Unusual Fire and Explosion Hazards: none

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II
Effects of Over exposure: May cause eye irritation.
Acute Overexposure: May cause drunkenness.
Chronic Overexposure: no information available
Emergency and First Aid Procedures:
Inhalation: Remove to fresh air.
Eyes: Flush thoroughly with water.
Skin: Flush thoroughly with water.
Ingestion: Induce vomiting and consult a physician.

SECTION VI REACTIVITY DATA

Stability:
unstable:

stable:X
Conditions to Avoid:Heat, sparks, and open flame.
Incompatibility (Materials to Avoid):oxidizers
Hazardous Decomposition Products:Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.
Hazardous Polymerization:
 may occur:
 will not occur:X
Conditions to Avoid:none

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken In Case Material is Released or Spilled:Eliminate all sources of ignition. Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal.
Waste Disposal Method:Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):Air-supplied mask in confined areas
Ventilation:
 Local Exhaust:preferable
 Mechanical (general):required
 Special:
 Other:
Protective Gloves:plastic
Eye Protection:splash proof goggles; do not wear contact lenses
Other Protective Clothing or Equipment:Lab coat, eye wash, and safety shower

SECTION IX SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:Keep away from heat, sparks, and open flame. Keep container closed. Use with adequate ventilation. Do not take internally. Completely denatured alcohol contains ingredients which render this product wholly unfit for beverage purpose; if taken internally will cause serious consequences to health. For industrial and laboratory use only.
Other Precautions:no information available

Approved by: *Mary Ann Foust*

METHYLENE BLUE

MSDS DATA

HEALTH EFFECTS

SKIN: No toxicity data found, but contact may cause bluish skin, irritation and/or allergic reaction.

EYES: No toxicity data found, but contact may cause irritation and slight corneal injury.

INHALATION: No toxicity data found, but excessive dust may cause irritation if inhaled.

INGESTION: May cause nausea, abdominal pain, chest pain, headache, profuse sweating, mental confusion, painful urination and bluish skin, urine, feces and saliva. Glucose - 6 - phosphate dehydrogenase patients may be susceptible to delayed hemolysis and methemoglobinemia.

FIRST AID

INHALATION: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Keep victim quiet and warm. Call the poison control center or physician immediately.

SKIN: Flush with water, then wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Call physician if irritation persists.

EYES: Flush with water for 15 minutes and call physician if irritation persists.

INGESTION: Drink water and call collect (216)765-8217 or consult a physician immediately. Avoid alcoholic beverages. Never give anything by mouth to an unconscious person.

FOR 24 HOUR EMERGENCY MEDICAL INFORMATION CALL COLLECT (216)765-8217