

SECTION I

Product Name: Newman-Lampert Stain
Size: 100ml, 500ml
Chemical name: does not apply
Formula: Methylene blue chloride...0.6g
Ethanol, 95%.....52.0ml
Tetrachlorethane.....44.0ml
Glacial acetic acid.....4.0ml
Manufacturer: Carolina Biological Supply Company
Address: 2700 York Road
Burlington, NC 27215
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.....52%
Tetrachloroethane...44%
Glacial acetic acid..4%
Methyl isobutyl ketone...4%
TLV (Units): Ethanol.....1000ppm
Tetrachlorethane (skin)...5ppm, oral rat: LD50 200mg/Kg
Glacial acetic acid...10ppm
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 (%): no information available
Evaporation Rate (=1): no information available
Solubility in Water: no information available
Appearance and Odor: Dark blue liquid. Unpleasant odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): Ethanol (CC) greater than 54F (Ethanol is the predominant flammable component, however flash point may be higher than 54F since ethanol comprises only 52% of the mixture.)
Extinguisher Media: Carbon dioxide or dry chemical for small fires. Alcohol-type foam for large fires.
Flammable Limits in Air % by Vol.: no information available
Autoignition Temperature: no information available
Special Fire Fighting Procedures: Self-contained breathing apparatus may be necessary. The tetrachloroethane emits toxic fumes when heated.
Unusual Fire and Explosion Hazards: no information available

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: (see TLV's for individual components in Section II)
Effects of Over exposure: Gastro-intestinal upset, unconsciousness, dermatitis, malaise, nausea, confusion, headache, visual disturbances and may cause kidney and liver damage.
Acute Overexposure: no information available

Chronic Overexposure: no information available
Emergency and First Aid Procedures: Remove from area. Call a physician.
Inhalation: Remove to fresh air. Apply artificial respiration, if needed.
Eyes: Flush eye thoroughly with water.
Skin: Flush skin with water immediately.
Ingestion: Contact a physician immediately.

SECTION VI REACTIVITY DATA

Stability:

unstable:

stable: X

Conditions to Avoid: Heat, sparks, and open flame.

Incompatibility (Materials to Avoid): The presence of tetrachloroethane may result in a severe reaction with allyl alcohol, Al, Ba and Be and hot metal surfaces. Thermal decomposition or burning may produce carbon monoxide, carbon dioxide, hydrogen chloride, and phosgene

Hazardous Decomposition Products:

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. Cover spill with absorbent enough to absorb the entire spill. Scoop the saturated absorbent into plastic bags. May be evaporated under a hood.

Waste Disposal Method: Dispose of according to federal, state, and local environmental regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Full face self-contained breathing apparatus (or work in a hood)

Ventilation:

Local Exhaust: X

Mechanical (general): X

Special:

Other:

Protective Gloves: Rubber

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. Store in a cool area. Protect from direct sun. Keep container closed.

Other Precautions: no information available

Approved by:

Mary Ann Faust