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87-9993
87-9995

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Phenolphthalein, 1% in 95%
Size: 120ml, 500ml
Chemical name: none
Formula: Ethanol, 95%.....100.0ml
 Phenolphthalein.....1.0g
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: 12/4/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): Ethanol- 100%
TLV (Units): Ethanol.....1000ppm
Methyl isobutyl ketone 4 %....100ppm

SECTION III PHYSICAL DATA

Boiling Point (F.): 173.3-176.4deg F
Vapor Pressure (mm Hg.): 40mmHg at 68F
Vapor Density (Air=1): 1.5
Specific Gravity (H2O=1): .815 at 60F
Percent Volatile By Volume (%): 95%
Evaporation Rate (n-butyl acetate=1): 1.70
Solubility in Water: complete
Appearance and Odor: Clear liquid, 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.: 3.3 - 19
Autoignition Temperature: 793 F
Special Fire Fighting Procedures: none known
Unusual Fire and Explosion Hazards: none known

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II
Effects of Over exposure: May cause irritation to eyes and skin.
Acute Overexposure: May cause drunkenness along with worsened
irritation.
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. Consult a physician.

SECTION VI REACTIVITY DATA

Stability:

stable

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:

will not occur

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, 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

Approved by: