

# MATERIAL SAFETY DATA SHEET

## SECTION I

Product Name: Phenolphthalein, 1% in 70%  
Size: 120ml, 500ml  
Chemical name: none  
Formula: Ethanol, 70% ..... 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.): no information available  
Vapor Pressure (mm Hg.): no information available  
Vapor Density (Air=1): no information available  
Specific Gravity (H<sub>2</sub>O=1): no information available  
Percent Volatile By Volume (%): 99 %  
Evaporation Rate (water=1): > 1  
Solubility in Water: complete  
Appearance and Odor: Clear liquid, fruity odor.

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): (CC) 54F (ethanol)  
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 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: *Dan Thomas*