

## MATERIAL SAFETY DATA SHEET

87-6671

87-6673

44

## SECTION I

Product Name: Naphthol alpha solution  
Size: 120ml, 500ml  
Chemical name: does not apply  
Formula: Ethanol, 95% ..... 100.0ml  
Alpha-naphthol ..... 5.0g  
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: revised 11/27/85

## SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%): Ethanol- 95%  
Alpha-naphthol-5%  
TLV (Units): Ethanol ..... 1000ppm; LD50 oral (rat) 14g/Kg  
Alpha-naphthol LD50 oral (rat) 2590mg/Kg

## SECTION III PHYSICAL DATA

Boiling Point (F.): Approx 174  
Vapor Pressure (mm Hg.): no information available  
Vapor Density (Air=1): 1.59  
Specific Gravity (H<sub>2</sub>O=1): <1  
Percent Volatile By Volume (%): 95  
Evaporation Rate (water=1): >1  
Solubility in Water: 95% (naphthol is insoluble)  
Appearance and Odor: Dark reddish, brown 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: 793F  
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 irritation to eyes and skin. Local  
action may produce peeling of the skin which may be followed by  
persistent pigmentation. Consult a physician upon exposure.  
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.

**SECTION VI REACTIVITY DATA**

**Stability:**

unstable:

stable: X

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

**Incompatibility (Materials to Avoid):** none

**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: *Don Thomas*