

MATERIAL SAFETY DATA SHEET

87-6671

87-6673

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SECTION I

Product Name: **Napthol alpha solution**
Size: 120ml, 500ml
Chemical name: does not apply
Formula: Ethanol, 95% 100.0ml
 Alpha-napthol 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-napthol-5%
TLV (Units): Ethanol 1000ppm; LD50 oral (rat) 14g/Kg
 Alpha-napthol 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 (H2O=1): <1
Percent Volatile By Volume (%): 95
Evaporation Rate (water=1): >1
Solubility in Water: 95% (napthol 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: *Dan Thomas*