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87-7487
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MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: **Ninhydrin, 0.5% in Isopropanol**
Size: 120ml, 500ml
Chemical name: none
Formula: Isopropanol.....100.0ml
 Ninhydrin.....0.5g
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 (%): Isopropanol 99 %
TLV (Units): 400ppm.

SECTION III PHYSICAL DATA

Boiling Point (F.): 82.3C (180.1F)
Vapor Pressure (mm Hg.): 33mm Hg at 20C
Vapor Density (Air=1): 2.07
Specific Gravity (H2O=1): 0.7861 at 20/20C
Percent Volatile By Volume (%): 99 %
Evaporation Rate (butyl acetate=1): 2.3
Solubility in Water: complete
Appearance and Odor: Clear liquid with characteristic odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 53F (Tag closed cup); 63F (Tag open cup)
Extinguisher Media: Use carbon dioxide or dry chemical for small fires.
Use alcohol-type foam for large fires.
Flammable Limits in Air % by Vol.: Lower 2.0; Upper 12.0
Autoignition Temperature: 750F
Special Fire Fighting Procedures: Dilution of burning liquid with 22 to 25 volumes of water will effect extinguishment.
Unusual Fire and Explosion Hazards: no information

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value: See Section II
Effects of Over exposure: None except for giddiness.
Acute Overexposure: no information
Chronic Overexposure: no information
Emergency and First Aid Procedures:
Inhalation: Remove to fresh air. Give artificial respiration as required.
Eyes: Flush thoroughly with water.
Skin: Flush thoroughly with water.
Ingestion: Induce vomiting and call a physician.

SECTION VI REACTIVITY DATA

Stability:

stable

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

Incompatibility (Materials to Avoid): Anhydride, isocyanate, monomer, and organometallic contamination; 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. Cover the spill with vermiculite or another flammable solvent absorbent. When the absorbent is saturated, scoop it into plastic bags. This material may be spread out under a fume hood or outside to allow evaporation. Dispose of waste material according to local environmental regulations.

Waste Disposal Method: no information

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Fume Hood

Ventilation:

Local Exhaust:

Mechanical (general): X

Special:

Other:

Protective Gloves: Rubber or vinyl-coated

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 when not in use. Use only with adequate ventilation.

Other Precautions: no information

Approved by:

Mary Ann Faust