

MATERIAL SAFETY DATA SHEET

SECTION I

Product Name: Ninhydrin, 0.5% in Acetone Size: 120ml, 500ml

Chemical name: none

Formula: Ninhydrin.....0.5g

Acetone.....100.0ml

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 (%): Acetone 100%

TLV (Units): 1000ppm

SECTION III PHYSICAL DATA

Boiling Point (F.): 133

Vapor Pressure (mm Hg.): 186

Vapor Density (Air=1): 2.0

Specific Gravity (H₂O=1): 0.7905 at 20/20C

Percent Volatile By Volume (%): 99 %

Evaporation Rate (butyl acetate=1): 14.48

Solubility in Water: complete

Appearance and Odor: clear liquid with sharp penetrating, and non-residual odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 0F, (Tag closed cup)

Extinguisher Media: Use carbon dioxide or dry chemical for small fires. Use alcohol-type foam for large fires; water spray will reduce intensity of flames.

Flammable Limits in Air % by Vol.: 3 -13

Autoignition Temperature: 1000 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: Produces a state of stupor. Slight contact hazard to skin. Moderate hazard to eyes.

Acute Overexposure:

Chronic Overexposure:

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air. Give artificial respiration as required.

Eyes: Flush thoroughly with water for at least 15 minutes.

Skin: Flush thoroughly with water.

Ingestion:Contact a physician.

SECTION VI REACTIVITY DATA

Stability:

stable

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

Incompatibility (Materials to Avoid):Avoid catalysts such as $\text{Ba}(\text{OH})_2$, NaOH , and other alkalies; sulfuric acid; oxidizers.Avoid low temperatures when in the presence of catalysts-condensation will occur. If the temperature rises, reaction stops and the material will cool down. Also, avoid warm to extremely hot temperatures because of flammability hazard.

Hazardous Decomposition Products:Burning can 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 liquid absorbent. When the spill has saturated the absorbent, scoop the saturated absorbent into plastic bags. This material may be spread out under a fume hood or outside to evaporate. Dispose of waste material according to local environmental regulations.

Waste Disposal Method: Incinerate in accordance with Federal, State and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):Fume hood

Ventilation:

Local Exhaust:X

Mechanical (general):

Special:

Other:

Protective Gloves:Rubber or vinyl-coated gloves

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 with adequate ventilation. Avoid prolonged or repeated contact with the skin.

Other Precautions: no information

Approved by: