

SECTION I-

89-2993

89-2995

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Product Name:Sudan IV Fat Stain

Size:120ml, 500ml

Chemical name:does not apply

Formula:Acetone.....50.0ml

Ethanol, 95%.....35.0ml

Distilled water.....15.0ml

Sudan III.....0.05g

Manufacturer:Carolina Biological Supply Company

Address:2700 York Road

Burlington, NC 27215

For Information on Health Hazards Call:

For Other Information Call: (919) 584-0381

Date: revised 12/3/85

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Components (%):

Ethanol-33%

Acetone-50%

Methyl isobutyl ketone-1%

TLV (Units):Ethanol-1000ppm

Acetone-1000ppm, oral rat LD50 9.75g/kg.

Methyl isobutyl ketone-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 (H2O=1):no information available

Percent Volatile By Volume (%):>99

Evaporation Rate (water=1):>1

Solubility in Water:100%

Appearance and Odor:Dark red liquid with characteristic odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):0F

Extinguisher Media:Carbon dioxide, dry chemical, or alcohol foam.

Flammable Limits in Air % by Vol.:no information available

Autoignition Temperature:no information available

Special Fire Fighting Procedures: Water should be used to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure and to dilute spills to non-flammable mixtures.

Unusual Fire and Explosion Hazards:Explosion hazard when vapor is exposed to flame in confined space. Dangerous fire hazard when exposed to heat, flame, or oxidizers.

SECTION VI HEALTH HAZARD DATA

Threshold Limit Value:TLV for components is shown in Section II.

Effects of Over exposure:Skin irritation from its defatting action; headache dizziness from inhalation. Narcotic effect from exposure to high concentrate; irritating to eyes, nose and throat.

Acute Overexposure:no information available

Chronic Overexposure:no information available

Emergency and First Aid Procedures:

Inhalation:Remove victim to fresh air and apply artificial

respiration if breathing has stopped. Call a physician.
Eyes: Wash eyes thoroughly and call a physician.
Skin: Wash contact areas with soap and water for 15 minutes.
Ingestion: If swallowed, give patient water, induce vomiting and call doctor. Do not induce vomiting in an unconscious person..

SECTION VI REACTIVITY DATA

Stability:

unstable:

stable: X

Conditions to Avoid: heat, sparks, and open flame

Incompatibility (Materials to Avoid): Oxidizing materials, chloroform plus alkalis, acids. Heat, sparks, and open flame.

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 any source of ignition. Small non-contained spills--flush well with water or absorb in paper and evaporate in hood. Larger spills--contain and absorb with clay, vermiculite, etc. followed by containment and disposal as a flammable waste.
Waste Disposal Method: Small quantities--evaporate in an explosion-proof environment.

Large quantities--dispose of as flammable hazardous waste in accordance with federal, state, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Respirator with organic vapor cartridges, or self-contained breathing apparatus, or fume hood.

Ventilation:

Local Exhaust:

Mechanical (general): X

Special:

Other:

Protective Gloves: Rubber

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: Store in cool place away from oxidizing materials. Must be kept away from flames or ignition sources.

Other Precautions: Wear safety goggles and rubber gloves at all times during cleanup operations.

Approved by: *San Thomas*