

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*