

## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Fat Testing Solution  
Alternative names: Sudan IV solution.  
Product Number: 6-3EA, 6A-5EA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

### 1.4 Emergency telephone number

Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Flam. Liq. (Category 2), H225

Specific target organ toxicity— single exposure (Category 3, Oral), Central Nervous System H336

Specific target organ toxicity— single exposure (Category 3, Inhalation ), Central Nervous System H336

### 2.2 Label elements, including precautionary statements

Signal word: Danger

Hazards statements: H225 - Highly flammable liquid and vapor, H336— May cause drowsiness or dizziness.

Precautionary statements: P210 - Keep away from heat, hot surfaces, open flames, sparks, P280 - Wear protective gloves, eye protection

Pictogram:



### 2.3 Hazards not otherwise classified: none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

### 3.2 Mixture

Chemical Name	Product identifier	%	GHS-US classification
Acetone	CAS# 67-64-1	N/A	Flam Liq. 2, H225, Eye Irrit. 2A, H319, STOT SE 3, H336
Ethyl alcohol, denatured	CAS# 64-17-5	N/A	Flam. Liq. 2, H225; STOT SE 3; H336
Water	CAS# 7732-18-5	N/A	Not classified
Sudan IV	CAS# 85-83-6	N/A	Skin Irrit. 2, H315; Eye Irrit. 2A, H319

3.3 Chemicals where a trade secret is claimed: Concentration of listed chemicals

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**INGESTION:** Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

**INHALATION:** Remove to fresh air. Get medical attention if necessary.

**EYE CONTACT:** Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIREFIGHTING MEASURES

5.1 Extinguishing media: Flammable liquid.

Suitable extinguishing media: Use TriClass, dry chemical extinguisher.

5.2 Special hazard arising from the substance or mixture: Vapor spreads at floor level.

5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

6.2 Emergency procedures: Restrict unprotected personnel from the area.

6.3 Methods and material used for containment and cleanup procedure: Contain the spill with an inert absorbent material and deposit in a sealed container. For small spill use paper towel. Dry material place in trash. Ventilate and wash spill area with soap and water.

## 7. HANDLING AND STORAGE

7.1 Precaution for safe handling: Read label on container before using. Keep away from heat, sparks and flame. Vapor forms from this product and may travel, or be moved by air currents and ignited by pilot lights, static discharges, flames, sparks, heaters or other ignition sources.

Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use hood or with adequate ventilation. Wash hands thoroughly after handling.

7.2 Storage: Flammable cabinet. Keep container in cool, well-ventilated area.

7.3 incompatibility: Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: TWA: 500ppm (acetone); USA OSHA: TWA: 1000ppm (methanol); ACGIH: TWA: 1000ppm (ethanol).

**8.2 Exposure controls:** Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits.

**Respiratory protection:** Non should be needed if normal laboratory handling at room temperature.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Red.

**Odor:** Strong alcohol odor

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** Not available

**Autoignition:** Not available

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Miscible in water and many organic solvents

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** Not available

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Fire, high temperatures and incompatible materials.

**Incompatibilities:** Reactive with oxidizing agents, reducing agents, acids, alkalis.

**Hazardous decomposition:** Carbon oxides.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects:

Eye: Causes eye irritation, characterized by burning sensation, redness and tearing, Skin: May cause mild skin irritation. May be absorbed through skin.

Inhalation: Inhalation of high concentration may affect CNS characterized by headache, dizziness, confusion, and loss of coordination. . Inhalation: May cause respiratory tract irritation. Ingestion: May be harmful if swallowed. Ingested doses will produce nausea, dizziness and headache. May affect behavior, brain, CNS.

### Toxicological data:

ORAL LD<sub>50</sub>: 5800mg/kg [Rat] (Acetone); 3000mg/kg [Mouse] (Acetone); 5340mg/kg [Rabbit] (Acetone)

VAPOR LC<sub>50</sub>: 50100mg/L 8h [Rat] (Acetone); 44000 mg/m<sup>3</sup> 4h [Mouse] (Acetone)

ORAL LD<sub>50</sub>: 7060mg/kg [Rat] (Ethanol); 3450mg/kg [Mouse] (Ethanol)

VAPOR LC<sub>50</sub>: 20000ppm 8h [Rat] (Ethanol); 39000 mg/m<sup>3</sup> 4h [Mouse] (Ethanol)

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Ecotoxicity in water (LC<sub>50</sub>): 5540mg/L 96h [Trout], 8300 mg/L 96h [Bluegill], 7500mg/L 96h [Fathead Minnow] (Acetone).

## 13. DISPOSAL CONSIDERATION

Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.

## 14. TRANSPORT INFORMATION

**UN number:** 1993

**Shipping name:** Flammable liquids, n.o.s.

**Hazard Class:** 3

**Packing group:** PG II

**Exceptions:** Ltd. Qty. ≤1L

## 15. REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-662-2) (Acetone); WHMIS (Canada): CLASS B-2: Flammable (Acetone). DSCL (EEC): R11-Highly flammable, R36-Irritating to eyes, S16-Keep away from sources of ignition, S9-Keep container in well-ventilated place.

## 16. OTHER INFORMATION

### Disclaimer:

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