

# FLINN SCIENTIFIC INC.

"Your Safer Source for Science Supplies"

## Material Safety Data Sheet (MSDS)

MSDS #: 793.00

Revision Date: March 12, 2001

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### Section 1 — Chemical Product and Company Identification

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#### Sudan IV Solution

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

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### Section 2 — Composition, Information on Ingredients

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Sudan (85-83-6) 0.5%, Ethyl alcohol (64-17-5) 75%, Water (7732-18-5) 24%

CAS#: None established

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### Section 3 — Hazards Identification

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Red liquid; distinct alcohol odor.

Contains denatured ethyl alcohol. Addition of denaturant makes the product poisonous. Toxic by ingestion and inhalation. Avoid all body tissue contact.

Flammable liquid. Dangerous fire risk.

#### FLINN AT-A-GLANCE

Health-3

Flammability-3

Reactivity-1

Exposure-1

Storage-3

0 is low hazard, 3 is high hazard

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### Section 4 — First Aid Measures

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Call a physician, seek medical attention for further treatment, observation and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped give artificial respiration immediately.

Eye: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. Call a physician or poison control at once.

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### Section 5 — Fire Fighting Measures

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Flammable liquid.

Dangerous fire risk. Contains ethanol. When heated or exposed to flames, will release flammable ethanol fumes.

#### NFPA CODE

None established

**Fire Fighting Instructions:** Use triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

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### Section 6 — Accidental Release Measures

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Restrict unprotected personnel from area. Remove all ignition sources and ventilate area. Contain spill with sand and absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

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### Section 7 — Handling and Storage

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Flinn Suggested Chemical Storage Pattern: Organic #9. Store with dyes, indicators, and stains.

Store in a dedicated flammables cabinet. If a flammables cabinet is not available, store in Flinn Saf-Stor can.

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### Section 8 — Exposure Controls, Personal Protection

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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. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire).

Exposure guidelines: TWA 1000 ppm as ethyl alcohol (OSHA)

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### Section 9 — Physical and Chemical Properties

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Red liquid; distinct alcohol odor.

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### Section 10 — Stability and Reactivity

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Avoid contact with heat, open flame or any source of ignition.

Shelf Life: Good, if stored safely.

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### Section 11 — Toxicological Information

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Acute effects: Poison, irritant, nausea, dizziness, headache

Chronic effects: N.A.

Target organs: Eyes, liver, kidneys, nerves

ORL-RAT LD50: 7060 mg/kg as ethyl alcohol

IHL-RAT LC50: 20000 ppm as ethyl alcohol

SKN-RBT LD50: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

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### Section 12 — Ecological Information

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Data not yet available.

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### Section 13 — Disposal Considerations

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Please consult with state and local regulations.

Flinn Suggested Disposal Method 26b is one option.

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### Section 14 — Transport Information

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Shipping Name: Ethyl alcohol

Hazard Class: 3, Flammable liquid

UN Number: UN1170

N/A = Not applicable

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### Section 15 — Regulatory Information

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Not listed.

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### Section 16 — Other Information

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Consult your copy of the Flinn Scientific Catalog/Reference Manual for additional information about laboratory chemicals. This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. Flinn Scientific Inc. makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. Flinn Scientific Inc. assumes no legal responsibility for use or reliance upon this data.

**FLINN SCIENTIFIC INC.**

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*Flinn MSDS Prevent Chemical Accidents*

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