

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name Sudan IV, 0.5%
CAS number See Section 3
Synonyms No information available

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

Identified uses Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC
 12501 Pauls Valley Road
 Austin, Texas 78737
 U.S.A.

Telephone 512-668-9918
Fax 512-886-4008

1.4 Emergency telephone

Emergency Phone # US & Canada: 1-800-535-5053 INFOTRAC
 International 1-352-323-3500 INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
No information available.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statements

Flammable liquids (Category 2).
Acute toxicity, oral (Category 4).
Skin and serious eye damage, corrosion or irritation (Category 2, 2A).
Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3).
Specific target organ toxicity, single exposure (Category 1).

Precautionary statements

Highly flammable liquid and vapor (H225). Keep away from heat, sparks, open flames, and hot surfaces. No smoking (P210). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270). Do not eat, drink or smoke when using this product (P270). Causes skin and serious eye irritation (H315+H319). May cause respiratory irritation (H335). Avoid breathing mist, vapors or spray (P261). Causes damage to organs (H370).

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No information available.

SECTION 3: Composition/information on ingredients

3.1 Components

| Chemical name | Common name and synonyms | CAS number | Concentration |
|--------------------------|---------------------------|------------|---------------|
| Sudan IV | No information available. | 85-83-6 | 0.05% |
| Ethyl alcohol, denatured | No information available. | 64-17-5 | 75% |
| Water | No information available. | 7732-18-5 | 24.05% |

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

In case of skin contact Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353).

In case of eye contact Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). If eye irritation persists eyes: Get medical advice or attention (P337+P313).

If swallowed Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P302+P301+P312).

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Use a tri-class dry chemical fire extinguisher (P370+P378).

Unsuitable extinguishing media No information available.

5.2 Specific hazards arising from the substance or mixture

Class IB flammable liquid due to ethyl alcohol content. When heated, releases flammable fumes.

5.3 Special protective equipment and precautions for firefighters

No information available.

5.4 Further information

Flash Point 21 °C

Autoignition Temperature No information available.

Explosion limits

Upper No data available.

Lower No data available.

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

NFPA

| Health | Flammability | Instability | Physical hazards |
|--------|--------------|-------------|------------------|
| 2 | 3 | 0 | N/A |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No information available.

6.2 Environmental precautions

No information available.

6.3 Methods and materials for containment and cleaning up

Remove all ignition sources and ventilate area. Contain the spill with sand or other inert absorbent material and deposit in a sealed bag or container.

6.4 Reference to other sections

See Sections 8 and 13 for further information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use explosion-proof electrical and ventilating equipment (P241). Use only non-sparking tools (P242). Take precautionary measures against static discharge (P243).

Hygiene measures

Wash hands thoroughly after handling (P264). Will stain skin, clothing, and surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store with dyes, indicators and stains. Keep container tightly closed and cool (P233+P235). Ground or bond container and receiving equipment (P240). Shelf life: Good, if stored properly.

Incompatibilities

See Section 10.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Component | Type | Value |
|---------------|------|----------|
| Ethyl Alcohol | PEL | 1000 ppm |

US. ACGIH Threshold Limit Values

| Component | Type | Value |
|---------------|---------|----------|
| Ethyl Alcohol | Ceiling | 1000 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

No information available.

Biological occupational exposure limits

No information available.

8.2 Exposure controls

Appropriate engineering controls

No information available.

Personal protective equipment

Eye/face protection

Wear eye protection.

Skin protection

Wear protective gloves.

Body Protection

Wear protective clothing.

Respiratory protection

No information available.

Control of environmental exposure

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--------------------------|
| Physical State | Liquid |
| Appearance | Red liquid |
| Odor | Alcohol |
| Odor Threshold | No information available |
| pH | No information available |
| Melting Point/Range | No information available |
| Boiling Point/Range | No information available |
| Evaporation Rate | No information available |
| Flammability (solid) | No information available |
| Flammability or explosive limit | No information available |
| Upper | No information available |
| Lower | No information available |
| Vapor Pressure | No information available |
| Vapor Density | No information available |
| Density | No information available |
| Solubility | No information available |
| Partition coefficient; n-octanol/water | No information available |
| Autoignition Temp | No information available |

| | |
|----------------------|--------------------------|
| Decomposition Temp | No information available |
| Viscosity | No information available |
| Molecular Formula | No information available |
| Molecular Weight | No information available |
| VOC Content(%) | No information available |
| Oxidizing properties | No information available |

9.2 Other safety information

No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Avoid contact with strong oxidizers.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|-----------------|---------------------|-----------------|
| Ethyl Alcohol | Rat: 7060 mg/kg | Rat: 20,000 ppm/10H | N.A. |

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

Can cause eye irritation.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Specific target organ toxicity - single exposure

Target organs: Eyes, skin, central nervous system, liver, reproductive system.

Specific target organ toxicity - repeated exposure

No information available.

Reproductive toxicity

No information available.

Chronic effects

Liver damage, reproductive, teratogenic effects, carcinogen.

11.2 Additional Information

Acute effects: Eye irritation, nausea, dizziness, headache.

SECTION 12: Ecological information**12.1 Toxicity**

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bio accumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

Please review all federal, state and local regulations that may apply before proceeding.

SECTION 14: Transport information

DOT (US)

UN Number UN1170
Proper Shipping name Ethyl alcohol solution
Hazard Class 3, Flammable liquid
Packaging Group II

IMDG

UN Number UN1170
Proper Shipping name Ethyl alcohol solution
Hazard Class 3, Flammable liquid
Packaging Group II

IATA

UN Number UN1170
Proper Shipping name Ethyl alcohol solution
Hazard Class 3, Flammable liquid
Packaging Group II

SECTION 15: Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

No information available.

CERCLA Hazardous Substance List (40 CFR 302.4)

No information available.

SARA 304 Emergency release notification

No information available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

No information available.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

No information available.

SARA 311/312 Hazardous

No information available.

SARA 313 (TRI reporting)

No information available.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

No information available.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

No information available.

Safe Drinking Water Act

No information available.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

No information available.

US state regulations

US. Massachusetts RTK - Substance List

No information available.

US. New Jersey Worker and Community Right-to-Know Act

No information available.

US. Pennsylvania Worker and Community Right-to-Know Law

No information available.

California Proposition 65

No information available.

SECTION 16: Other information

Date of Issue: 12/29/2025

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.