OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

SUDAN III STAINING SOLUTION

MSDS CAS: -

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: SUDAN III STAINING SOLUTION
CAS#: Not available.
Synonym: Not available.
Chemical Name: Not available.
Chemical Formula: Not available.

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Component	Formula	Molecular Weight	CAS Number	Weight %
Ethyl Alcohol	C_2H_5OH	46.06 g/mol	67-17-5	99.00 %
Methyl Alcohol	CH_3OH	32.04 g/mol	67-56-1	4.75 %
Sudan III	$C_{22}H_{16}N_4O$	352.38 g/mol	85-86-9	0.25 %

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Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye damage (Category 2A), H319
Germ cell mutagenicity (category 1), H340
Reproductive Toxicity (Category 1), H360
Specific target organs/systemic toxicity following single exposure (Category 1), H270
Specific target organs/systemic toxicity following repeated exposure (Category 1), H272
Flammable liquid (Category 2), H225

Label elements

Labelling according Regulation (EC) No 1272/2008

Hazard statement(s): H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H340 May cause genetic defects.
H360 May damage fertility or the unborn child. H370 Causes damage to organs.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statement(s)y Number: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks and open flame. No smoking.
P233 Keep container tightly closed.
P240 Ground container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe fumes, mist, vapors, or spray.
P264 Wash arms, hands and face thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves and eye protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+P311 IF exposed: Call a POISON CENTER or physician.
P308+P313 If exposed or concerned: Get medical attention.
P314 Get medical attention if you feel unwell.
P321 Specific treatment (Wash areas of contact with water).
P337+P313 If eye irritation persists: Get medical attention.
P370+P378 In case of fire: Use dry chemical, foam or carbon dioxide to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents in accordance with local, state, federal and international regulations.

Section 3: Hazards Identification (Continued)

Supplemental Hazard Statements: None.

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Section 4: First Aid Measures

Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled Not expected to require first aid. If necessary, remove to fresh air.

In case of skin contact IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Results in drying and cracking which can lead to secondary infections and dermatitis. Dermal absorption causes many of the symptoms of inhalation.

In case of eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva.

If swallowed Dilute immediately with water or milk. Induce vomiting. Call a physician.

Most important symptoms and effects, both acute and delayed

DANGER! Flammable. Keep away from heat, sparks and open flames. Avoid ingestion, prolonged breathing of vapor, or contact with skin, eyes or clothing. If ingested, dilute with water and induce vomiting. Call a physician. Wash areas of contact with plenty of water. EYE CONTACT: May cause irritation with burning and stinging with possible damage to the cornea and conjunctiva. SKIN CONTACT: Results in drying and cracking which can lead to secondary infections and dermatitis. Dermal absorption causes many of the symptoms of inhalation.

Indication of any immediate medical attention and special treatment needed

Specific treatment (Wash areas of contact with water).

Section 5: Fire and Explosion Data

Extinguishing media: In case of fire: Use dry chemical, foam or carbon dioxide to extinguish. Use dry chemical, alcohol foam, or carbon dioxide for extinguishing the surrounding fire. Use water as fog in flooding quantities. Water can be used to dilute spills to non-flammable mixtures.

Section 5: Fire and Explosion Data (Continued)

Special hazards arising from the substance or mixture: **Highly flammable liquid and vapor. Vapors can flow along surfaces to distant ignition source and flashback. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Explosion hazard when exposed to heat, flame or oxidizers.**

Advice for firefighters: **Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.**

Further information: **No data available**

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: **Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eye protection.**

Environmental precautions: **Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.**

Methods and materials for containment and cleaning up: **Remove all sources of ignition. Contain spill. Do not flush to sewer. Absorb with suitable inert material (vermiculite, dry sand, etc) and place in a chemical waste container for proper disposal in an approved waste disposal facility. Ventilate area of spill. Have extinguishing agent available in case of fire. Use non-sparking tools and equipment. Dispose of in accordance with local regulations.**

Section 7: Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): Non-combustible liquids, corrosive

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls: **Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.**

Personal protective equipment

Eye/face protection Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: **Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.**

Body Protection: **Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**

Respiratory protection: **Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).**

Control of environmental exposure: **Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.**

Section 9: Physical and Chemical Properties

Physical state and appearance:	**Liquid**
Odor	**: odourless.**
Taste	**: Not available.**
Molecular Weight	**: 352.4 g/mole**
Color	**: red**
pH (1% soln/water)	**: Not available.**
Boiling Point	**: Approximately 77°C - Approximately 77°C**
Melting Point	**: Not available.**
Critical Temperature	**: Not available.**

Section 9: Physical and Chemical Properties (Continued)

Specific Gravity	**: Not available.**
Vapor Pressure	**: Not applicable.**
Vapor Density	**: Not available.**
Volatility	**: Not available.**
Odor Threshold	**: Not available.**
Water/Oil Dist. Coeff.	**: Not available.**
Ionicity (in Water)	**: Not available.**
Dispersion Properties	**: Not available.**
Solubility	**: Water: Insoluble in water**

Section 10: Stability and Reactivity Data

Reactivity: **No data available**

Chemical stability: **Stable under recommended storage conditions.**

Possibility of hazardous reactions: **No data available**

Conditions to avoid: **No data available**

Incompatible materials: **Keep away from heat, sparks and open flame. No smoking. Keep container tightly closed. Heat, sparks, open flame, strong oxidizers, aldehydes.**

Hazardous decomposition products: **Will not occur.**

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity: **No data available**

Skin corrosion/irritation: **No data available**

Serious eye damage/eye irritation: **Causes serious eye irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.**

Respiratory or skin sensitisation: **No data available**

Section 11: Toxicological Information (Continued)

Germ cell mutagenicity: May cause genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Carcinogenicity: No data available.

Section 12: Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: No data available.

Section 13: Disposal Considerations

Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name	: Alcohols, n.o.s. (Ethanol, Methanol)
UN N°	: 1987
H.I. nr	: 3
ADR - Class	: II
Labelling - Transport	: II , 3 : Oxidizing substances.

Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name	**: Alcohols, n.o.s. (Ethanol, Methanol)**
UN N°	**: 1987**
IMO-IMDG - Class or division	**: 3**
IMO-IMDG - Packing group	**: II**

Air transport (ICAO-IATA) [English only]

Proper shipping name	**: Alcohols, n.o.s. (Ethanol, Methanol)**
UN N°	**: 1987**
IATA - Class or division	**: 3**
IATA - Packing group	**: II**

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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