

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,  
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**Oxford**  
Range of  
Laboratory Chemicals

## MATERIAL SAFETY DATA SHEET

### EOSIN YELLOW STAINING SOLUTION 2% W/V MSDS CAS: -

#### Section 1: Chemical Product and Company Identification

##### Section 1: Chemical Product

**Product Name:** EOSIN YELLOW STAINING SOLUTION 2%

**CAS#:** Not Available.

**Synonym:** Not Available.

**Chemical Name:** Eosin Yellow Staining Solution 2%

**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,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032

#### Section 2: Composition and Information on Ingredients

##### Composition:

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
EOSINE YELLOW C.I.No.45380	> 1 < 5 %	17372-87-1	-----	-----	-----	Xi; R36 ----- Eye irrit 2 _ H319

## Section 2: Composition and Information on Ingredients (Continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Water	> 15 < 25 %	7732-18-5	231-791-2	-----	-----	Not classified (DSD/DPD) ----- Not classified (GHS)
Ethanol	> 75 < 99 %	64-17-5	200-578-6	603-002-00-5	-----	R10 , C; R35 ----- Skin Corr. 1A _ H314 Flam. Liq. 3 _ H226
Acetic acid	> 0.01 < 1 %	64-19-7	200-580-7	607-002-00-6	-----	R10 , C; R35 ----- Skin Corr. 1A+ _ H314 Eye Dam 1 _ H318 Flam. Liq. 3 _ H226 Acute Tox. 4 (inhal) _ H332
Formaldehyde	> 0.01 < 1 %	50-00-0	200-001-8	605-001-00-5	-----	Carc. Cat. 3; R40 , T; R23/24/25 C; R34 , Xi; R37 , R43 ----- Acute Tox. 2 (skin) _ H310 Acute Tox. 3 (inhal) _ H331 Acute Tox. 3 (oral) _ H301 Skin Corr. 1B _ H314 Eye Dam 1 _ H318, Carc. 2 _ H351, STOT SE 3 _ H335 Skin Sens. 1 _ H317

## Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification: F; R11 , C; R35 , Xi; R37 , R43

## Section 3: Hazards Identification (Continued)

### Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

#### Health hazards:

**Skin corrosion - Category 1A - Danger (CLP: Skin Corr. 1A) H314**

**Skin sensitisation - Category 1 - Warning (CLP: Skin Sens. 1) H317**

**Physical hazards: Flammable liquids - Category 2 - Danger (CLP: Flam. Liq. 2) H225**

#### Label elements

#### Labelling EC 67/548 or EC 1999/45

#### Symbol(s):

**C: Corrosive, F: Highly flammable.**

#### R Phrase(s):

**R11: Highly flammable.**

**R35: Causes severe burns.**

**R37: Irritating to respiratory system.**

**R43: May cause sensitization by skin contact.**

#### S Phrase(s):

**S3: Keep in a cool place.**

**S9: Keep container in a well-ventilated place.**

**S16: Keep away from sources of ignition - No smoking.**

**S24: Avoid contact with skin.**

**S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**

**S28: After contact with skin, wash immediately with**

**S33: Take precautionary measures against static discharges.**

**S35: This material and its container must be disposed of in a safe way.**

**S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.**

**S43: In case of fire, use.**

**S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).**

**S51: Use only in well-ventilated areas.**

**S59: Refer to manufacturer/supplier for information on recovery/recycling.**

**Contains: Ethanol - Water - EOSINE YELLOW C.I.No.45380 - Formaldehyde – Acetic acid.**

#### Labelling Regulation EC 1272/2008 (CLP)

#### Hazard statements:

**H225: Highly flammable liquid and vapour.**

**H314: Causes severe skin burns and eye damage.**

## Section 3: Hazards Identification (Continued)

**H317:** May cause an allergic skin reaction.

### Precautionary statements:

**P240:** Ground/bond container and receiving equipment.

**P241:** Use explosion-proof electrical, ventilating, lighting, equipment.

**P210:** Keep away from heat, sparks, open flames or hot surfaces. – No smoking.

**P280:** Wear protective gloves, protective clothing, eye protection, face protection.

**P260:** Do not breathe dust, fume, gas, mist, vapours, and spray.

**P233:** Keep container tightly closed.

**P264:** Wash thoroughly after handling.

**P272:** Contaminated work clothing should not be allowed out of the workplace.

### Response:

**P302+P352:** IF ON SKIN: Wash with plenty of soap and water.

**P301+P330+P331:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**P304+P340:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

**P303+P361+P353:** IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

**P333+P313:** If skin irritation or rash occurs: Get medical advice.

**P363:** Wash contaminated clothing before reuse.

**P370+P378:** In case of fire: Use for extinction.

### Storage:

**P403+P235:** Store in well-ventilated place. Keep cool.

**P405:** Store locked up.

### Disposal considerations:

**P501:** Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Contains:

Ethanol - Water - EOSINE YELLOW C.I.No.45380 - Formaldehyde – Acetic acid.

### Other hazards:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

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## Section 4: First Aid Measures

### Description of first aid measures

#### Inhalation:

Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

#### Skin contact:

Get medical advice. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Wash contaminated clothing before reuse.

#### Eye contact:

Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

#### Ingestion:

Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.

### Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

## Section 5: Fire and Explosion Data

### Extinguishing media

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fires:** Use water spray or fog for cooling exposed containers.

### Special hazards arising from the substance or mixture

**Flammable class:** Highly flammable liquid and vapour.

**Hazardous combustion products:** Under fire conditions, hazardous fumes will be present.

**Thermal decomposition generates:** Corrosive vapours.

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## Section 5: Fire and Explosion Data (Continued)

### Advice for fire-fighters

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area.

**Technical measures:** Use special care to avoid static electric charges.

**Special precautions:** Remove ignition sources. No naked lights. No smoking.

**For non-emergency personnel:** Evacuate unnecessary personnel.

### Environmental precautions

**Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### Methods and material for containment and cleaning up

**Clean up methods:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

## Section 7: Handling and Storage

### Precautions for safe handling

#### Handling:

Handle empty containers with care because residual vapours are flammable. Do not breathe dust, fume, gas, mist, vapours, spray. Avoid contact during pregnancy or while nursing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

## Section 7: Handling and Storage (Continued)

### Technical protective measures:

Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof electrical, ventilating, lighting, equipment.

Special precautions: No naked lights. No smoking.

### Conditions for safe storage, including any incompatibilities

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Ground/bond container and receiving equipment. Keep container tightly closed.

**Storage regulation:** Comply with applicable regulations.

**Storage - away from:** Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources.

## Section 8: Exposure Controls/Personal Protection

### Exposure controls

**Personal protection:** Avoid all unnecessary exposure.

**Respiratory protection:** Wear approved mask.

**Hand protection:** Wear protective gloves.

**Skin protection:** Wear suitable protective clothing.

**Eye protection:** Chemical goggles or face shield.

**Others:** When using, do not eat, drink or smoke.

### Control parameters

**Occupational Exposure Limits:** No data available.

## Section 9: Physical and Chemical Properties

Physical state at 20 °C	: Liquid.
Colour	: Colorless
Odour	: Characteristic.
Odour threshold	: No data available.

## Section 9: Physical and Chemical Properties (Continued)

<b>Molecular Weight</b>	: No data available.
<b>pH value</b>	: No data available.
<b>Melting point [°C]</b>	: - 114 °C - lit
<b>Decomposition point [°C]</b>	: Not Available.
<b>Critical temperature [°C]</b>	: No data available.
<b>Auto-ignition temperature [°C]</b>	: No data available.
<b>Flammability (solid, gas)</b>	: N/A Highly flammable liquid and vapour.
<b>Flash point [°C]</b>	: 14 °C
<b>Boiling point [°C]</b>	: 100 °C
<b>Initial boiling point [°C]</b>	: No data available.
<b>Final boiling point [°C]</b>	: No data available.
<b>Evaporation rate</b>	: Not Available.
<b>Vapour pressure [20°C]</b>	: No data available.
<b>Vapour pressure mm/Hg</b>	: Not Available.
<b>Vapour density</b>	: Not Available.
<b>Density [g/cm<sup>3</sup>]</b>	: Not Available.
<b>Relative density, gas (air=1)</b>	: Not Available.
<b>Relative density, liquid (water=1)</b>	: Not Available.
<b>Solubility in water [% weight]</b>	: Not Available.
<b>Solubility in water</b>	: No data available.
<b>Log Pow octanol / water at 20°C</b>	: No data available.
<b>Solubility</b>	: Not Available.
<b>Viscosity at 40°C [mm<sup>2</sup>/s]</b>	: No data available.

## Section 10: Stability and Reactivity Data

**Reactivity:** Not established.

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

**Possibility of hazardous reactions:** Not established.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures. Open flame.

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## Section 10: Stability and Reactivity Data

**Incompatible materials:** Strong acids. Strong bases.

**Hazardous decomposition products:**

Fumes. Carbon monoxide. Carbon dioxide.

Thermal decomposition generates: Corrosive vapours.

May release flammable gases.

## Section 11: Toxicological Information

**Information on toxicological effects**

**Toxicity information:** The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

**Acute toxicity**

**Inhalation:** Based on available data, the classification criteria are not met.

**Dermal:** Based on available data, the classification criteria are not met.

**Ingestion:** Based on available data, the classification criteria are not met.

**Corrosion:** Causes severe skin burns and eye damage.

**Irritation:** Based on available data, the classification criteria are not met.

**Sensitization:** May cause an allergic skin reaction.

**Mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Toxic for reproduction:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

## Section 12: Ecological Information

**Toxicity information:**

The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

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## Section 12: Ecological Information (Continued)

**Persistence - degradability:** Biodegradable.

**Bioaccumulative potential:** Not established.

**Mobility in soil:** Not established.

**Results of PBT and vPvB assessment:**

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**Other adverse effects**

**Environmental precautions:** Avoid release to the environment.

## Section 13: Disposal Considerations

**Waste treatment methods**

**General:** Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**Special precautions:** Handle empty containers with care because residual vapours are flammable.

## Section 14: Transport Information

**Land transport (ADR-RID)**

**Proper shipping name:** ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**UN N°:** 1170

**H.I. nr:** 33

**ADR - Class:** 3

**Labelling - Transport:** 3: Flammable liquid.

**ADR - Group:** II

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## Section 14: Transport Information (Continued)

### Sea transport (IMDG) [English only]

**Proper shipping name:** ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**UN N°:** 1170

**IMO-IMDG - Class or division:** 3: Flammable liquid.

**IMO-IMDG - Packing group:** II

### Air transport (ICAO-IATA) [English only]

**Proper shipping name:** ETHANOL (ETHYL ALCOHOL) / ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**UN N°:** 1170

**IATA - Class or division:** 3: Flammable liquid.

**IATA - Packing group:** II

## Section 15: Other Regulatory Information

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

Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII:** The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV:** The components of this product are not subject to authorization.

### Chemical Safety Assessment

**Chemical Safety Assessment:** It has not been carried out.

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## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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