

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

TOPFER'S REAGENT (Solution) MSDS CAS:

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: TOPFER'S REAGENT (Solution)

CAS#: Not available.

Chemical Name: TOPFER'S REAGENT (Solution)

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

Substance / Preparation: Preparation.

Hazardous component(s): This product is hazardous.

SUBSTANCE NAME	CAS NO.	CONTENTS
DIMETHYL YELLOW (pH INDICATOR) C.I.No.11020	60-11-7	> 0.01 < 1 %
Phenolphthalein	77-09-8	> 0.01 < 1 %
Methanol	67-56-1	> 99 %

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : T; R23/24/25-R39/23/24/25

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

Health hazards: Specific Target Organ Toxicity - Single exposure - Category 1 - Danger (CLP : STOT SE 1) H370

Acute toxicity, dermal - Category 3 - Danger (CLP : Acute Tox. 3) H311

Acute toxicity, Inhalation - Category 3 - Danger (CLP : Acute Tox. 3) H331

Acute toxicity, Oral - Category 3 - Danger (CLP : Acute Tox. 3) H301

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.

Section 4: First Aid Measures

Description of first aid measures:

Inhalation: Specific treatment (see on this label). Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

Skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. 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. Wash contaminated clothing before reuse.

Eye contact: Obtain medical attention if pain, blinking or redness persist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Ingestion: Rinse mouth. Do NOT induce vomiting. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

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Section 4: First Aid Measures (continued)

Most important symptoms and effects, both acute and delayed:

Symptoms relating to use: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Causes damage to organ. Danger of serious damage to health by prolonged exposure through inhalation. Swallowing a small quantity of this material will result in serious health hazard.

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). Specific treatment (see on this label). Call a POISON CENTER or doctor.

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:

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

Advice for fire-fighters:

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

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

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

For emergency responders :Equip cleanup crew with proper protection.
:Ventilate area.
Avoid breathing dust, fume, gas, mist, vapours, spray.

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. Collect spillage. Store away from other materials.

Section 7: Handling and Storage

Precautions for safe handling

Handling : Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.

Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.

Conditions for safe storage, including any incompatibilities:

Storage : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

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

Section 8: Exposure Controls/Personal Protection

Exposure controls:

Personal protection: Avoid all unnecessary exposure.

• **Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

- **Hand protection:** Wear protective gloves.
- **Eye protection:** Chemical goggles or safety glasses.
- **Others:** When using, do not eat, drink or smoke.

Control parameters:

Occupational Exposure Limits: Methanol : OEL (UK)-LTEL [ppm] : 200

Methanol : OEL (UK)-STEL [ppm] : 250

Methanol : ILV (EU) - 8 H - [mg/m³] : (260 Skin.)

Methanol : ILV (EU) - 8 H - [ppm] : (200 Skin.)

Methanol : HTP-värden - 8 H - [ppm] : 200

Methanol : HTP-värden - 15min - [ppm] : 250

Methanol : HTP-värden - 8 H - [mg/m³] : 270

Methanol : HTP-värden - 15min - [mg/m³] : 330

Methanol : NGV - [ppm] : 200

Methanol : NGV - [mg/m³] : 250

Methanol : KTV - [ppm] : 250

Methanol : KTV - [mg/m³] : 350

Methanol : VLA-ED [ppm] : 200

Methanol : VLA-ED [mg/m³] : 266

Methanol : VLA-EC [ppm] : 250

Methanol : VLA-EC [mg/m³] : 333

Section 9: Physical and Chemical Properties

Physical state and appearance	: Liquid.
Odor	: Characteristic.
Taste	: Not available.
Molecular Weight	: Not available.
Color	: Colorless.
pH (1% soln/water)	: Not available.
Boiling Point	: Not available.

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Section 9: Physical and Chemical Properties (Continued)

Melting Point	: Not available.
Critical Temperature	: Not available.
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	: Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

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

Incompatibility with various substances: Not available.

Materials to avoid: Strong acids. Strong bases.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

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:** Toxic if inhaled.
- **Dermal:** Toxic in contact with skin.
- **Ingestion:** Toxic if swallowed.

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

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

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

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: Causes damage to organ.

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.

BOD5 and COD: Not available.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

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.

Environmental precautions: Avoid release to the environment.

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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: Hazardous waste due to toxicity.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name : METHANOL

UN N° : 1230

ADR - Class : 3

Labelling – Transport : 3 : Flammable liquid. 6.1 : Toxic substances.

Sea transport (IMDG) [English only]

Proper shipping name : METHANOL

UN N° : 1230

IMO-IMDG - Class or division : 3 : Flammable liquid. 6.1 : Toxic substances.

IMO-IMDG - Packing group : II

Air transport (ICAO-IATA) [English only]

Proper shipping name : METHANOL

UN N° : 1230

IATA - Class or division : 3 : Flammable liquid. 6.1 : Toxic substances.

IATA - Packing group : II

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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 : With the exception of those listed below:

The components of this product are not subject to restrictions.

• Phenolphthalein : Annex XVII

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

Chemical Safety Assessment : It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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