

## **MATERIAL SAFETY DATA SHEET**

### **TOPFER'S REAGENT MSDS CAS :**

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

##### **Section 1: Chemical Product**

**Product Name :** TOPFER'S REAGENT

**CAS#:**

**C.I. No.:** 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**  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Name	CAS #	% by Weight
TOPPER'S REAGENT	-	100%

## Section 3: Hazards Identification

### Classification of the substance or mixture

Classification according to Regulation (EC) No 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.

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

## Section 4: First Aid Measures (Continued)

**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

#### **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** : 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.

Avoid breathing dust, fume, gas, mist, vapours, spray.

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

#### **Environmental precautions**

## Section 6: Accidental Release Measures (Continued)

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

**Methods and materials 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** : 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 Vapor.

**Conditions for safe storage, including any incompatibilities**

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

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

**Specific end uses**

**Specific end use(s)** : None.

## Section 8: Exposure Controls/Personal Protection

**Personal protection**

- **Respiratory protection** : Avoid all unnecessary exposure.  
: 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**

## Section 8: Exposure Controls/Personal Protection (Continued)

### Occupational Exposure Limits Occupational Exposure Limits

: No data available.  
: Methanol : OEL (UK)-LTEL [ppm] : 200  
Methanol : OEL (UK)-STEL [ppm] : 250  
Methanol : ILV (EU) - 8 H - [mg/m<sup>3</sup>] : ( 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/m<sup>3</sup>] : 270  
Methanol : HTP-värden - 15min - [mg/m<sup>3</sup>] : 330  
Methanol : NGV - [ppm] : 200  
Methanol : NGV - [mg/m<sup>3</sup>] : 250  
Methanol : KTV - [ppm] : 250  
Methanol : KTV - [mg/m<sup>3</sup>] : 350  
Methanol : VLA-ED [ppm] : 200  
Methanol : VLA-ED [mg/m<sup>3</sup>] : 266  
Methanol : VLA-EC [ppm] : 250  
Methanol : VLA-EC [mg/m<sup>3</sup>] : 333

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Color	: Colourless
Odor	: Characteristic.
Odor threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: N/A
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: N/A
Flash point [°C]	: No data available.
Boiling point [°C]	: N/A
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.

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

Evaporation rate	: N/A
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: N/A
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: N/A
Solubility in water	: No data available.
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: No data available.
Molecular Weight	: No data available.

### Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: No data available.
Explosion limits - lower [%]	: No data available.
Oxidizing properties	: No data available.

## Section 10: Stability and Reactivity Data

### Reactivity

Reactivity : Not established.

### Chemical stability

Chemical stability : Stable under recommended storage conditions.

### Possibility of hazardous reactions

Hazardous reactions : Not established.

### Conditions to avoid

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

### Incompatible materials

Materials to avoid : Strong acids. Strong bases.

## Section 10: Stability and Reactivity Data

### Hazardous decomposition products

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

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

### Persistence – degradability

**Persistence - degradability :** Biodegradable.

### Bio accumulative potential

**Bio accumulative potential :** Not established.



## Section 12: Ecological Information (Continued)

### Mobility in soil

Mobility in soil : Not established.

### Results of PBT and vPvB assessment

**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 :** Hazardous waste due to toxicity.

## Section 14: Transport Information

### Land transport (ADR-RID)

Proper shipping name	: METHANOL
UN N°	: 1230
H.I. nr	: 336
ADR - Class	: 3
Labelling - Transport	: 3 : Flammable liquid. 6.1 : Toxic substances.
ADR - Group	: II

### 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



## Section 14: Transport Information (Continued)

### 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

## Section 15: Other Regulatory Information

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

**Safety, health and environmental:** Ensure all national/local regulations are observed.

**Regulations/legislation specific for  
The substance or mixture**

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

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

### Chemical Safety Assessment

**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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