

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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## **MATERIAL SAFETY DATA SHEET**

### **METHYL CELLOSOLVE 99% (For Synthesis) MSDS CAS: 109-86-4**

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

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

**Product Name:** METHYL CELLOSOLVE 99% (For Synthesis)

**CAS#:** 109-86-4

**Synonym:** 2-Methoxyethanol

**Chemical Name:** Methyl Cellosolve

**Chemical Formula:** C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>

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

##### **Composition:**

Name	CAS #	% by Weight
2-Methoxyethanol	109-86-4	100 %

## Section 3: Hazards Identification

### Classification of the substance or mixture

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

**Classification** : R10  
Repr. Cat. 2; R60-61  
Xn; R20/21/22

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

**Health hazards:** Reproductive toxicity - Fertility - Category 1B - Danger (CLP : Repr. 1B) H360  
Reproductive toxicity - Unborn Child - Category 1B - Danger (CLP : Repr. 1B)  
H360

Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312

Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

**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:** Assure fresh air breathing. Allow the victim to rest. Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact:** Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

**Eye contact:** Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion:** Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

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

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

## Section 4: First Aid Measures

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

**General information:** P308+P313: If exposed or concerned: get medical advice. Never give anything by mouth to an unconscious person. If exposed or concerned: get medical advice.

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

**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:** Handle empty containers with care because residual vapours are flammable. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Avoid breathing dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. Obtain special instructions before use.

### 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. Use only non-sparking tools.

### 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. Heat sources.

## 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.

**Hand protection:** Wear protective gloves.

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

**Eye protection:** Chemical goggles or safety glasses.

**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 and appearance	: Liquid.
Odor	: pleasant odor.
Taste	: Not available.
Molecular Weight	: 76.1 g/mol

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

Color	: Colorless.
pH (1% soln/water)	: 5 - 7 at 25 °C
Boiling Point	: 124 - 125 °C
Melting Point	: -85 °C
Critical Temperature	: Not available.
Specific Gravity	: Not available.
Vapor Pressure	: 10 hPa at 20 °C
Vapor Density	: 2,63
Volatility	: Not available.
Odor Threshold	: Not available.
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: 5- 7 at 25 °C

## 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. May release flammable gases.

## Section 11: Toxicological Information

### Information on toxicological effects:

#### Acute toxicity:

**Inhalation:** Harmful if inhaled.

**Dermal:** Harmful in contact with skin.

**Ingestion:** Harmful if swallowed.

**Irritation:** Causes serious eye irritation. Causes skin irritation.

**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:** May damage fertility. May damage the unborn child.

**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:** Not available.

**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.

## Section 13: Disposal Considerations

### Waste Disposal:

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 :** ETHYLENE GLYCOL MONOMETHYL ETHER

**UN N° :** 1188

**ADR - Class :** 3

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

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

**Proper shipping name :** ETHYLENE GLYCOL MONOMETHYL ETHER

**UN N° :** 1188

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

**IMO-IMDG - Packing group :** III

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

**Proper shipping name :** ETHYLENE GLYCOL MONOMETHYL ETHER

**UN N° :** 1188

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

**IATA - Packing group :** III

## Section 15: Other Regulatory Information

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.



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## Section 15: Other Regulatory Information (Continued)

**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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