

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,  
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## **MATERIAL SAFETY DATA SHEET**

### **D-10 CAMPHOR-SULPHONIC ACID 99% (For Synthesis) MSDS CAS: 3144-16-9**

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

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

**Product Name:** D-10 CAMPHOR-SULPHONIC ACID 99% (For Synthesis)

**CAS#:** 3144-16-9

**Chemical Name:** D-10 CAMPHOR-SULPHONIC ACID 99% (For Synthesis)

**Chemical Formula:** C<sub>10</sub>H<sub>16</sub>O<sub>4</sub>S

**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**

**Substance / Preparation :** D-10 CAMPHOR SULPHONIC ACID99%

**CAS No :**3144-16-9

**Substance.**

**Contains no other components or impurities which will influence the classification of the product.**

## Section 3: Hazards Identification

**Classification of the substance or mixture**

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

**Classification** : : C; R34

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

**Health hazards** : Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314

**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** : Immediately call a POISON CENTER or doctor. 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. Immediately call a POISON CENTER or doctor.

**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.

### 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:

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                                        | : 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.<br>: Ventilate area.<br>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 | : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. |
|------------------|--------------------------------------------------------------------------------------------------------------------|

## Section 7: Handling and Storage

### Precautions:

Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray. Provide good ventilation in process area to prevent formation of vapour.

## Section 7: Handling and Storage (Continued)

**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:** Wear approved mask.
- **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 | : Solid.          |
| Odor                          | : Not available.  |
| Taste                         | : Not available.  |
| Molecular Weight              | : Not available.  |
| Color                         | : White.          |
| pH (1% soln/water)            | : Not available.  |
| Boiling Point                 | : Not available.  |
| Melting Point                 | : 200 °C          |
| 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.  
Thermal decomposition generates : Corrosive vapours.

**Polymerization:** No.

## Section 11: Toxicological Information

**Information on toxicological effects:**

**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:** 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:** 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 established.

**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.

## Section 14: Transport Information

### **Land transport (ADR-RID)**

**Proper shipping name :** CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

**UN N° :** 3261

**ADR - Class :** 8

**Labelling – Transport :** 8 : Corrosive substance.

## Section 14: Transport Information (Continued)

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

**Proper shipping name** : CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.  
**UN N°** : 3261  
**IMO-IMDG - Class or division** : 8 : Corrosive substance.  
**IMO-IMDG - Packing group** : III

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

**Proper shipping name** : CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.  
**UN N°** : 3261  
**IATA - Class or division** : 8 : Corrosive substance.  
**IATA - Packing group** : III

## 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.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

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