

## **MATERIAL SAFETY DATA SHEET**

### **iso-PROPYL ALCOHOL 99.8% HPLC (2-propanol) MSDS CAS : 67-63-0**

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

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

**Product Name : iso-PROPYL ALCOHOL 99.8% HPLC**

**CAS#: 67-63-0**

**C.I. No.: Not available.**

**Synonym : Not available.**

**Chemical Name: Not available.**

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

**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.  
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Tel: 91-250-2390989  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

Name	CAS #	% by Weight
2-propanol	67-63-0	100

## Section 3: Hazards Identification

### Classification of the substance or mixture

**Classification according to Regulation (EC) No 1999/45**

**Classification** : F; R11  
R67  
Xi; R36

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

**Health hazards** : Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 -  
Warning (CLP : STOT SE 3) H336  
Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

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

**Environmental hazards** : Hazardous to the aquatic environment - Chronic hazard - Category 2 (CLP :  
Aquatic Chronic 2) H411

**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**

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.

#### **Eye contact**

Get medical advice. If eye irritation persists : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use** : Causes serious eye irritation.

May cause drowsiness or dizziness.

## Section 4: First Aid Measures (Continued)

**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

#### **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.

#### **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.

**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.

## Section 6: Accidental Release Measures (Continued)

### 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. Collect spillage. Store away from other materials.

#### Reference to other sections

Not available.

## Section 7: Handling and Storage

### Precautions for safe handling

#### Handling

: Handle empty containers with care because residual vapours are flammable. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.

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

### 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 - away from

: Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat Sources.

#### Specific end uses

#### Specific end use(s)

: None.

## Section 8: Exposure Controls/Personal Protection

### Personal protection

#### • Respiratory protection

: Avoid all unnecessary exposure.  
: Where exposure through inhalation may occur from use, respiratory protection

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

- Hand protection
- Eye protection
- Others

equipment is recommended.

- : Wear protective gloves.
- : Chemical goggles or safety glasses.
- : When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits : No data available.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Colour	: Clear Colorless
Odour	: Alcoholic odour
Odour threshold	: No data available.
pH value	: Not Applicable.
Melting point [°C]	: -89 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: 399 °C
Flammability (solid, gas)	: Highly flammable liquid and vapour. Flammable.
Flash point [°C]	: -12 °C
Molecular Weight	: 60.10
Boiling point [°C]	: 82 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: 2.83
Vapour pressure [20°C]	: 43.2 hPa at 20°C
Vapour pressure mm/Hg	: 44 mm Hg @ 25C
Vapour density	: 2,1
Density [g/cm <sup>3</sup> ]	: 0,79
Relative density, gas (air=1)	: N/A

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

Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Miscible.
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

### Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: 12.70%
Explosion limits - lower [%]	: 2%
Oxidising 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.

### Incompatible materials

Materials to avoid : Strong acids. Strong bases.

### Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.  
May release flammable gases.

## 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	: Based on available data, the classification criteria are not met.
Irritation	: Causes skin irritation.
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	: May cause drowsiness or dizziness.
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 : Not established.

### Persistence – degradability

Persistence - degradability : Biodegradable.

### Bioaccumulative potential

Bioaccumulative potential : Not established.

### Mobility in soil

Mobility in soil: Not established.

### Results of PBT and vPvB assessment



## Section 12: Ecological Information (Continued)

**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.  
**Hazardous waste due to toxicity.**

## Section 14: Transport Information

### Land transport (ADR-RID)

Proper shipping name	: ISOPROPANOL (ISOPROPYL ALCOHOL)
UN N°	: 1219
H.I. nr	: 33
ADR - Class	: 3
Labelling - Transport	: 3 : Flammable liquid.
ADR - Group	: II

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

Proper shipping name	: ISOPROPANOL (ISOPROPYL ALCOHOL)
UN N°	: 1219
IMO-IMDG - Class or division	: 3 : Flammable liquid.
IMO-IMDG - Packing group	: II



## Section 14: Transport Information (Continued)

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

Proper shipping name	: ISOPROPANOL (ISOPROPYL ALCOHOL)
UN N°	: 1219
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 :** 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 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.

## ***Disclaimer:***

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