

# Material Safety Data Sheet



DIETHYL ETHER LR (stabilised)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 14160

Page 1 of 14

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : DIETHYL ETHER LR (stabilised)  
Product code : 14160  
Identification of the product : DIETHYL ETHER LR (stabilised)  
CAS No : 60-29-7  
EC Index-No. : 603-022-00-4  
EC No. : 200-467-2

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3. Details of the supplier of the safety data sheet

Company identification  
MOLYCHEM INDIA LLP  
Office: Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 .  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C.,  
OPP.Shobhavat Textile Co., Kulgaon, Badlapur (E),  
Dist.-Thane-421 503.

### 1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 1 H224  
Acute toxicity (oral), Category 4 H302  
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336

Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

Extremely flammable liquid and vapour. May cause drowsiness or dizziness. Harmful if swallowed.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



DIETHYL ETHER LR (stabilised)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 14160

Page 2 of 14

Hazard pictograms (CLP)



GHS02 GHS07

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H224 - Extremely flammable liquid and vapour.

H302 - Harmful if swallowed

H336 - May cause drowsiness or dizziness.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 - Keep container tightly closed.

P241 - Use explosion-proof electrical/ventilating/lighting equipment

P261 - Avoid breathing dust, fume, gas, mist, spray, vapours

P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## 3. Composition/information on ingredients

### 3.1. Substances

Name : DIETHYL ETHER

CAS-No : 60-29-7

### 3.2. Mixtures

Not applicable

## 4. First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

• ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 3 of 14**

First-aid measures after eye contact : contaminated clothing. Repeated exposure may cause skin dryness or cracking  
: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after skin contact : Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after ingestion : Harmful if swallowed.

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>). Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable liquid and vapour

Explosion hazard : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form explosive peroxides.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Firefighting instructions : DO NOT fight fire when fire reaches explosives. Evacuate area.

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 4 of 14**

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

Emergency procedures

: Ventilate spillage area. Evacuate unnecessary personnel. Do not breathe dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

: Take up liquid spill into absorbent material. Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Notify authorities if product enters sewers or public waters.

Other information

: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed

: Handle empty containers with care because residual vapours are flammable. Hazardous waste due to potential

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 5 of 14**

Precautions for safe handling

risk of explosion.  
: No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing dust, fume, gas, mist, spray, vapours. Use only outdoors or in a well-ventilated area. Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment.

Hygiene measures

: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling. Always wash hands after handling the product.

## 7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions

: Keep in fireproof place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Storage away from

: Sparks. Heat. Direct sunlight. Overheating. Open flame. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

## 7.3. Specific end use(s)

No additional information available

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 6 of 14**

No additional information available

## 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

|                        |                                       |
|------------------------|---------------------------------------|
| Eye protection         | : Chemical goggles or safety glasses  |
| Hand protection        | : Wear protective gloves              |
| Skin protection        | : Wear suitable protective clothing   |
| Respiratory protection | : Wear appropriate mask.              |
| Thermal hazards        | : No additional information available |

### 8.2.3 Environmental exposure controls

Avoid release to the environment

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                  |                     |
|----------------------------------|---------------------|
| Physical state                   | : Liquid            |
| Appearance                       | : Clear liquid.     |
| Molecular mass                   | : 74.12 g/mol       |
| Colour                           | : Colourless.       |
| Odour                            | : sweetish odour.   |
| Odour threshold                  | : 0.83 ppm          |
| pH                               | : No data available |
| Relative evaporation rate        | : 37.5              |
| Melting point                    | : Not applicable    |
| Freezing point                   | : -116 °C           |
| Boiling point                    | : 34.6 °C           |
| Flash point                      | : -40 °C            |
| Auto-ignition temperature        | : 175 °C            |
| Decomposition temperature        | : No data available |
| Flammability (solid, gas)        | : Flammable         |
| Vapour pressure                  | : 563 hPa at 20 °C  |
| Relative vapour density at 20 °C | : 2.6               |
| Relative density                 | : No data available |
| Density                          | : 0.713-0.717g      |

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 7 of 14**

Solubility : Water: 65 g/l at 20°C  
Partition coefficient n-octanol/water (Log Pow) : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : May form explosive peroxides.  
Oxidising properties : No data available

## 9.2. Other information

No additional information available

## 10. Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and acids

### 10.4. Conditions to avoid

Sparks. Heat. Direct sunlight. Overheating. Open flame. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Oxidizing agent.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified  
Skin corrosion/irritation : Not classified  
Additional information : Repeated exposure may cause skin dryness or cracking.  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered



# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 8 of 14**

|                                                     |                                      |
|-----------------------------------------------------|--------------------------------------|
| Carcinogenicity                                     | : Not classified                     |
| Reproductive toxicity                               | : Not classified                     |
| STOT-single exposure                                | : May cause drowsiness or dizziness. |
| STOT-repeated exposure                              | : Not classified                     |
| Aspiration hazard                                   | : Not classified                     |
| Potential adverse human health effects and symptoms | : Harmful if swallowed.              |

## 12. Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | Not classified                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified                                                                                                        |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## 13. Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                               |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions                                                                  |
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable. Flammable vapours may                                                             |

#### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered



# Material Safety Data Sheet



DIETHYL ETHER LR (stabilised)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 14160

Page 9 of 14

accumulate in the container.

## 14. Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number

UN-No. (ADR) : UN 1155  
UN-No. (IMDG) : UN 1155  
UN-No. (IATA) : UN 1155  
UN-No. (ADN) : UN 1155  
UN-No. (RID) : UN 1155

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : DIETHYL ETHER (ETHYL ETHER)  
Proper Shipping Name (IMDG) : DIETHYL ETHER (ETHYL ETHER)  
Proper Shipping Name (IATA) : Diethyl ether  
Proper Shipping Name (ADN) : DIETHYL ETHER (ETHYL ETHER)  
Proper Shipping Name (RID) : DIETHYL ETHER (ETHYL ETHER)  
Transport document description (ADR) : UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I, (D/E)  
Transport document description (IMDG) : UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I (-40°C c.c.)  
Transport document description (IATA) : UN 1155 Diethyl ether, 3, I  
Transport document description (ADN) : UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I  
Transport document description (RID) : UN 1155 DIETHYL ETHER (ETHYL ETHER), 3, I

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3  
Danger labels (ADR) : 3

#### IMDG

Transport hazard class(es) (IMDG) : 3  
Danger labels (IMDG) : 3

#### IATA

Transport hazard class(es) (IATA) : 3  
Danger labels (IATA) : 3

#### ADN

Transport hazard class(es) (ADN) : 3  
Danger labels (ADN) : 3

#### RID

## MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 10 of 14**

Transport hazard class(es) (RID) : 3  
Danger labels (RID) : 3

## **14.4. Packing group**

Packing group (ADR) : I  
Packing group (IMDG) : I  
Packing group (IATA) : I  
Packing group (ADN) : I  
Packing group (RID) : I

## **14.5. Environmental hazards**

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

## **14.6. Special precautions for user**

### **Overland transport**

Classification code (ADR) : F1  
Limited quantities (ADR) : 0  
Excepted quantities (ADR) : E3  
Packing instructions (ADR) : P001  
Mixed packing provisions (ADR) : MP7, MP17  
Portable tank and bulk container instructions (ADR) : T11  
Portable tank and bulk container special provisions (ADR) : TP2  
Tank code (ADR) : L4BN  
Vehicle for tank carriage : FL  
Transport category (ADR) : 1  
Special provisions for carriage - Operation (ADR) : S2, S20  
Hazard identification number (Kemler No.) : 33  
Tunnel restriction code (ADR) : D/E  
EAC code : •3YE

### **Transport by sea**

Limited quantities (IMDG) : 0  
Excepted quantities (IMDG) : E3  
Packing instructions (IMDG) : P001  
Tank instructions (IMDG) : T11  
Tank special provisions (IMDG) : TP2  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D  
Stowage category (IMDG) : E

### **MOLYCHEM INDIA LLP**

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 11 of 14**

Flash point (IMDG) : -40°C c.c

MFAG-No : 127

## **Air transport**

PCA Excepted quantities (IATA) : E3

PCA Limited quantities (IATA) : Forbidden

PCA limited quantity max net quantity (IATA) : Forbidden

PCA packing instructions (IATA) : 351

PCA max net quantity (IATA) : 1L

CAO packing instructions (IATA) : 361

CAO max net quantity (IATA) : 30L

ERG code (IATA) : 3AH

## **Inland waterway transport**

Classification code (ADN) : F1

Limited quantities (ADN) : 0

Excepted quantities (ADN) : E3

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 1

## **Rail transport**

Classification code (RID) : F1

Limited quantities (RID) : 0

Excepted quantities (RID) : E3

Packing instructions (RID) : P001

Mixed packing provisions (RID) : MP7, MP17

Portable tank and bulk container

instructions (RID) : T11

Portable tank and bulk container special

provisions (RID) : TP2

Tank codes for RID tanks (RID) : L4BN

Transport category (RID) : 1

Hazard identification number (RID) : 33

## **14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

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

#### **15.1.1 EU-Regulations**

#### **MOLYCHEM INDIA LLP**

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



DIETHYL ETHER LR (stabilised)

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

Product Code : 14160

Page 12 of 14

## EU restriction list (REACH Annex XVII)

| Reference code Applicable on | Reference code Applicable on |
|------------------------------|------------------------------|
| 3(a)                         | DIETHYL ETHER                |
| 3(b)                         | DIETHYL ETHER                |
| 40                           | DIETHYL ETHER                |

DIETHYL ETHER is not on the REACH Candidate List

DIETHYL ETHER is not on the REACH Annex XIV List

DIETHYL ETHER is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

DIETHYL ETHER is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

DIETHYL ETHER is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

## 15.1.2. National regulations

### France

#### Occupational diseases

| Code  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

### Germany

Water hazard class (WGK)

: WGK 1, Slightly hazardous to water  
(Classification according to AwSV; ID No. 6)

Chemicals Prohibition Ordinance (ChemVerbotsV)

: This product is subject to ChemVerbotsV Annex 2 Entry 2. The following requirement must be observed: Basic requirements for the implementation of the submission (according to § 8 paragraph 1, 3 and 4).

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance

## MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

Page 13 of 14

(12. BImSchV)

## Netherlands

SZW-lijst van kankerverwekkende stoffen

: The substance is not listed

SZW-lijst van mutagene stoffen

: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting  
giftige stoffen – Borstvoeding

: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting  
giftige stoffen – Vruchtbaarheid

: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting  
giftige stoffen – Ontwikkeling

: The substance is not listed

## Denmark

Classification remarks

: Emergency management guidelines for the storage  
of flammable liquids must be followed

Danish National Regulations

: Young people below the age of 18 years are not  
allowed to use the product

## Switzerland

Storage class (LK)

LK 3 - Flammable liquids

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. Other information

### Abbreviations and acronyms

|        |                                                                                                 |
|--------|-------------------------------------------------------------------------------------------------|
| ADN    | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE    | Acute Toxicity Estimate                                                                         |
| BCF    | Bioconcentration factor                                                                         |
| BLV    | Biological limit value                                                                          |
| BOD    | Biochemical oxygen demand                                                                       |
| COD    | Chemical oxygen demand                                                                          |
| COD    | Chemical oxygen demand                                                                          |
| DMEL   | Derived Minimal Effect level                                                                    |
| DNEL   | Derived-No Effect Level                                                                         |
| EC-No. | European Community number                                                                       |
| EC50   | Median effective concentration                                                                  |
| EN     | European Standard                                                                               |

### MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered

# Material Safety Data Sheet



**DIETHYL ETHER LR (stabilised)**

VERSION : 05  
REVISION DATE : 14/06/2025  
EFFECTIVE DATE : 16/06/2025

**Product Code : 14160**

**Page 14 of 14**

|                                           |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------|
| IARC                                      | International Agency for Research on Cancer                                  |
| IATA                                      | International Air Transport Association                                      |
| IMDG                                      | International Maritime Dangerous Goods                                       |
| LC50                                      | Median lethal concentration                                                  |
| LD50                                      | Median lethal dose                                                           |
| LOAEL                                     | Lowest Observed Adverse Effect Level                                         |
| NOAEC                                     | No-Observed Adverse Effect Concentration                                     |
| NOAEL                                     | No-Observed Adverse Effect Level                                             |
| NOEC                                      | No-Observed Effect Concentration                                             |
| OECD                                      | Organisation for Economic Co-operation and Development                       |
| OEL                                       | Occupational Exposure Limit                                                  |
| PBT                                       | Persistent Bioaccumulative Toxic                                             |
| PNEC                                      | Predicted No-Effect Concentration                                            |
| RID                                       | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                                       | Safety Data Sheet                                                            |
| STP                                       | Sewage treatment plant                                                       |
| ThOD                                      | Theoretical oxygen demand (ThOD)                                             |
| TLM                                       | Median Tolerance Limit                                                       |
| VOC                                       | Volatile Organic Compounds                                                   |
| CAS-No.                                   | Chemical Abstract Service number                                             |
| N.O.S.                                    | Not Otherwise Specified                                                      |
| vPvB                                      | Very Persistent and Very Bioaccumulative                                     |
| ED                                        | Endocrine disrupting properties                                              |
|                                           |                                                                              |
| <b>Full text of H- and EUH-statements</b> |                                                                              |
| Eye Irrit. 2                              | Serious eye damage/eye irritation, Category 2                                |
| Flam. Liq. 2                              | Flammable liquids, Category 2                                                |
| STOT SE 3                                 | Specific target organ toxicity — Single exposure, Category 3, Narcosis       |
| H225                                      | Highly flammable liquid and vapour.                                          |
| H319                                      | Causes serious eye irritation.                                               |
| H336                                      | May cause drowsiness or dizziness.                                           |
| EUH066                                    | Repeated exposure may cause skin dryness or cracking.                        |

Safety Data Sheet (SDS), EU This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

## MOLYCHEM INDIA LLP

H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: [info@molychem.net](mailto:info@molychem.net) • Web: [www.molychem.net](http://www.molychem.net)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

•ISO 9001:2015 • ISO 14001: 2015 • ISO 45001:2018 • WHO-GMP Certified • MSME Registered • CAA Registered