

# Material Safety Data Sheet



1-NAPHTHOL LR ( $\alpha$ - Naphthol)

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

Product Code : 16400

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

### 1.1. Product identifier

Trade name : 1-NAPHTHOL LR ( $\alpha$ - Naphthol)  
Product code : 16400  
Identification of the product : 1-NAPHTHOL LR ( $\alpha$ - Naphthol)  
CAS No : 90-15-3  
EC Index-No. : 604-029-00-5  
EC No. : 201-969-4  
Synonyms : 1-Hydroxynaphthalene,  $\alpha$ -Naphthol , 1-Naphthalenol

### 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]

Acute toxicity (oral), Category 4 H302  
Acute toxicity (dermal), Category 4 H312  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335

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

Adverse physicochemical, human health and environmental effects

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Harmful in contact with skin. Harmful if swallowed. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage

## 2.2. Label elements

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



GHS07

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H302+H312 - Harmful if swallowed or in contact with skin

H315 - Causes skin irritation.

H318 - Causes serious eye damage

H335 - May cause respiratory irritation.

Precautionary statements (CLP)

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

P302+P352 - IF ON SKIN: Wash with plenty of water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P280 - Wear protective clothing, eye protection, face protection, protective gloves.

## 2.3. Other hazards

No additional information available

## 3. Composition/information on ingredients

### 3.1. Substances

Name : 1-NAPHTHOL LR ( $\alpha$ - Naphthol)

CAS-No : 90-15-3

### 3.2. Mixtures

Not applicable

## 4. First aid measures

### 4.1. Description of first aid measures

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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. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact

: Immediately call a POISON CENTER/doctor. Specific measures (see supplemental first aid instruction on this label). Wash with plenty of water/.... Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label). Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact

: Immediately call a POISON CENTER/doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion

: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. 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 respiratory irritation.

Symptoms/effects after skin contact

: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation. Irritation.

Symptoms/effects after eye contact

: Causes serious eye damage. Serious damage to eyes.

Symptoms/effects after ingestion

: Swallowing a small quantity of this material will result in serious health hazard.

## 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

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

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

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

## 5.3 Advice for firefighters

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/ personal protection"

Emergency procedures : Stop release.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product. Clear up rapidly by scoop or vacuum.

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

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Precautions for safe handling

: Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.

Hygiene measures

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

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

Storage conditions

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

Storage away from

: Direct sunlight. Air contact. Moisture.

## 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

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

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8.2.3 **Environmental exposure controls**  
Respiratory protection : Wear appropriate mask.  
Thermal hazards : No additional information available  
Avoid release to the environment

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : Solid  
Appearance : crystals or flakes or crystalline powder  
Molecular mass : 144.17 g/mol  
Colour : colourless to off white or slightly pink flakes or pinkish brown  
Odour : slight phenolic odour.  
Odour threshold : Not available  
pH : Not available  
Melting point : 94 – 96<sup>0</sup>C  
Freezing point : Not applicable  
Boiling point : 278 – 280 °C  
Flash point : 125 °C  
Auto-ignition temperature : 541 °C  
Decomposition temperature : Not available  
Flammability (solid, gas) : Non flammable  
Vapour pressure : 2.3 hPa at 100°C  
Relative vapour density at 20 °C : 4.5  
Relative density : Not available  
Density : 1.28 g/cm<sup>3</sup> at 20°C  
Solubility : Water: Practically insoluble in water  
Partition coefficient n-octanol/water (Log Pow) : 2.85  
Viscosity, kinematic : Not available

### 9.2. Other information

No additional information available

## 10. Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

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Stable under normal conditions

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.

## 10.5. Incompatible materials

No additional information available

## 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)           | : Harmful in contact with skin.    |
| Acute toxicity (inhalation)       | : Not classified                   |
| Skin corrosion/irritation         | : Causes skin irritation.          |
| Serious eye damage/irritation     | : Causes serious eye damage.       |
| Respiratory or skin sensitisation | : Not classified                   |
| Germ cell mutagenicity            | : Not classified                   |
| Carcinogenicity                   | : Not classified                   |
| Reproductive toxicity             | : Not classified                   |
| STOT-single exposure              | : May cause respiratory irritation |
| STOT-repeated exposure            | : Not classified                   |
| Aspiration hazard                 | : Not classified                   |

## 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

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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. |

## **14. Transport information**

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

### **14.1. UN number**

|               |           |
|---------------|-----------|
| UN-No. (ADR)  | : UN 2811 |
| UN-No. (IMDG) | : UN 2811 |
| UN-No. (IATA) | : UN 2811 |
| UN-No. (ADN)  | : UN 2811 |
| UN-No. (RID)  | : UN 2811 |

### **14.2. UN proper shipping name**

|                                      |                                                                    |
|--------------------------------------|--------------------------------------------------------------------|
| Proper Shipping Name (ADR)           | : TOXIC SOLID, ORGANIC, N.O.S.                                     |
| Proper Shipping Name (IMDG)          | : TOXIC SOLID, ORGANIC, N.O.S.                                     |
| Proper Shipping Name (IATA)          | : Toxic solid, organic, n.o.s.                                     |
| Proper Shipping Name (ADN)           | : TOXIC SOLID, ORGANIC, N.O.S.                                     |
| Proper Shipping Name (RID)           | : TOXIC SOLID, ORGANIC, N.O.S.                                     |
| Transport document description (ADR) | : UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (1-NAPHTHOL), 6.1, III, (E) |
| Transport document description(IMDG) | : UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (1-                         |

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Transport document description (IATA) : NAPHTHOL), 6.1, III  
: UN 2811 Toxic solid, organic, n.o.s. (1-NAPHTHOL), 6.1, III  
Transport document description (ADN) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III  
Transport document description (RID) : UN 2811 TOXIC SOLID, ORGANIC, N.O.S., 6.1, III

## 14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR) : 6.1  
Danger labels (ADR) : 6.1

### IMDG

Transport hazard class(es) (IMDG) : 6.1  
Danger labels (IMDG) : 6.1

### IATA

Transport hazard class(es) (IATA) : 6.1  
Danger labels (IATA) : 6.1

### ADN

Transport hazard class(es) (ADN) : 6.1  
Danger labels (ADN) : 6.1

### RID

Transport hazard class(es) (RID) : 6.1  
Danger labels (RID) : 6.1

## 14.4. Packing group

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

## 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) : T2  
Limited quantities (ADR) : 5kg  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P002, IBC08, LP02, R001  
Mixed packing provisions (ADR) : MP10  
Portable tank and bulk container : T1

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instructions (ADR)

Portable tank and bulk container special : TP33

provisions (ADR)

Tank code (ADR) : SGAH, L4BH

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S9

Hazard identification number (Kemler No.) : 60

Tunnel restriction code (ADR) : E

EAC code : 2X

## Transport by sea

Limited quantities (IMDG) : 5 kg

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P002

IBC packing instructions (IMDG) : IBC08

Tank instructions (IMDG) : T1

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-A

Stowage category (IMDG) : A

MFAG-No : 154

## Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y645

PCA limited quantity max net quantity (IATA) : 10kg

PCA packing instructions (IATA) : 670

PCA max net quantity (IATA) : 100kg

CAO packing instructions (IATA) : 677

CAO max net quantity (IATA) : 200kg

ERG code (IATA) : 6L

## Inland waterway transport

Classification code (ADN) : T2

Limited quantities (ADN) : 5 kg

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EP

Number of blue cones/lights (ADN) : 0

## Rail transport

Classification code (RID) : T2

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Limited quantities (RID) : 5kg  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P002, IBC08, LP02, R001  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T1  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAH, L4BH  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE11  
Hazard identification number (RID) : 60

## **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**

Not listed on REACH Annex XVII  
Not listed on REACH Annex XIV (Authorisation List)  
Not listed on the REACH Candidate List  
Not listed on the PIC list (Regulation EU 649/2012)  
Not listed on the POP list (Regulation EU 2019/1021)  
Not listed on the Ozone Depletion list (Regulation EU 1005/2009)  
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)  
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### **15.1.2. National regulations**

##### **Germany**

Water hazard class (WGK) : WGK 1, Slightly hazardous to water  
(Classification according to AwSV; ID No. 2944)  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance  
(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 : The substance is not listed

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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



1-NAPHTHOL LR ( $\alpha$ - Naphthol)

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

Product Code : 16400

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giftige stoffen – Borstvoeding

: The substance is not listed

NIET-limitatieve lijst van voor de voortplanting

: The substance is not listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

: The substance is not listed

giftige stoffen – Ontwikkeling

**Denmark**

Danish National Regulations

: Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 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                                                                               |
| 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                                                        |

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|                                           |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------|
| 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.

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