



**Admin Office :** 604,605, 606 Lotus Business Park, Ram Baugh Lane, Off. S.V. Road, Malad (W), Mumbai-400 064 (INDIA)

**Factory :** Plot No. 5,6,7,8 Survey No. 433/2, PLDC, Near BIDCO, Palghar (W)-401 404, MH (INDIA).

CIN: U74999MH2019PTC326261

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF SUBSTANCE

**Product Name** : D-LIMONENE  
**Company Name** : NISHANT AROMAS PRIVATE LIMITED  
**Address** : Plot-5, 6, 7 & 8, Near Bidco Naka, Palghar (W), Pin. 401 404.  
Maharashtra (INDIA)

### 2. COMPOSITION/INGREDIENT INFORMATION

**Chemical Name** : 1-methyl-4-prop-1-en-2-ylcyclohexene  
**Molecular Formula** : C<sub>10</sub>H<sub>16</sub>  
**Molecular Weight** : 136.2 g/mole  
**CAS No** : 5989-27-5

### 3. HAZARDOUS IDENTIFICATION

**Eye Contact** : May Cause eye Irritation  
**Skin Contact** : May Cause Skin Irritation  
**Ingestion** : May Cause irritation of digestive tract. The toxicological Properties of this substances have not been fully investigated.

### 4. FIRST AID MEASURES

**Eye Contact** : Remove any contact lenses at once. Immediately flush eyes with water or normal saline solution for 20 to 30 mins. Do Not apply any medication without specific instruction form the physician. IMMEDIATELY seek medical help..

**Skin Contact** : IMMEDIATELY flood affected skin with water while removing & isolating all contaminated clothing. Gently wash all affected skin thoroughly with soap and water. Obtain medical attention even if no symptoms develop and transport victim to a hospital for treatment after washing the affected areas.

**Ingestion** : DO NOT INDUCE VOMITING. IMMEDIATELY obtain medical attention. If the victim is conscious and not convulsing give 1 or 2 glasses of water to dilute the chemical. If the victim is convulsing or unconscious ensure that the airway is open and lay victim on side with head lower than the body. IMMEDIATELY transport victim to hospital.

**Inhalation** : Remove from the exposure to fresh air. If breathing has stopped, administer artificial respiration and oxygen if available. Contact a physician as necessary



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## 5. FIRE FIGHTING MEASURES

- Extinguishing Media** : Carbon Dioxide; Dry Chemical; Universal-Type Foam.  
**Special firefighting Procedures** : Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.

## 6. ACCIDENTAL RELEASE MEASURES

- General Information** : Use proper personal protective equipments as indicated in EXPOSURE CONTROLS & PERSONAL PROTECTION.  
**Spills/ Leaks** : Clean up spills immediately. Observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation

## 7. HANDLING AND STORAGE

Store in a refrigerator or in a cool, dry place. Avoid exposure to air and light. Keep in tightly sealed container, preferably under an inert atmosphere.

- OTHER PRECAUTIONS** : Good manufacturing practices dictate that an eyewash fountain and/or safety shower should be available in the work area.

## 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

- Engineering measures** : Local exhaust meeting ACGIH criteria as needed  
**Respirators** : None generally required. Use NIOSH approved respirator in confined area or if material is rated toxic.  
**Eye Protection** : Use goggles or face shield is recommended  
**Cloth** : Chemical resistant clothing is recommended  
**Gloves** : Use chemical resistant gloves is recommended  
**Personal protective equipment** : Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use.

## 9. PHYSICAL AND CHEMICAL PROPOERTIES

- Appearance & Color** : COLOURLESS TO PALE YELLOW CLEAR LIQUID  
**Odour** : CITRUS ORANGE FRESH SWEET  
**Refractive Index** : 1.470 TO 1.474 at 20°C  
**Specific Gravity** : 0.837 TO 0.855 at 25°C  
**Optical Rotation** : +87 TO +102



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## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	: Stable under normal temperature and pressures.
<b>Incompatibilities with other materials</b>	: Oxidizing agents.
<b>Hazardous Polymerization</b>	: Has not been reported.
<b>Hazardous Decomposition Product(s)</b>	: Carbon monoxide, oxides of nitrogen, oxides of sulfur, Carbon dioxide
<b>Conditions to avoid</b>	: Incompatible materials, dust generation, strong oxidants

## 11. TOXICOLOGY INFORMATION

<b>CAS</b>	: 5989-27-5
<b>LD 50</b>	: Not available.
<b>Carcinogenicity</b>	: Not listed.
<b>Epidemiology</b>	: No data available.
<b>Teratogenicity</b>	: No data available.
<b>Reproductive effects</b>	: No data available.
<b>Neurotoxicity</b>	: No data available.
<b>Mutagenicity</b>	: No data available.
<b>Other studies</b>	: No data available.

## 12. ECOLOGICAL INFORMATION

NOT AVAILABLE

## 13. DISPOSAL CONSIDERATIONS

**SPILL, LEAK AND WASTE DISPOSAL PROCEDURES:** Eliminate all ignition sources. Ventilate area. Contain spill and recover free product. Absorb remainder on vermiculite or other suitable absorbent material. Use of self-contained breathing apparatus is recommended for any major chemical spills. Report spills to appropriate authorities if required.

**WASTE DISPOSAL METHODS:** Place material and absorbent into sealed containers and dispose of in accordance with current applicable laws and regulation.

**NOTE:** Empty containers can have residues, gases and mists and are subject to proper waste disposal.



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## 14. TRANSPORT INFORMATION

<b>Land Transport</b>	: ADR/ RIC CODE/CLASS: CHEMICAL N.O.S. NOT RESTRICTED.
<b>Maritime Transport</b>	: IMDG CODE/ CLASS: NOT RESTRICTED
<b>Air Transport</b>	: IATA CODE/ CLASS: CHEMICAL N.O.S. NOT RESTRICTED

## 15. REGULATORY INFORMATION

<b>CAS # 5989-27-5</b> , is listed in TSCA inventory	
<b>Health &amp; Safety reporting List</b>	: None of the chemicals are on the Health & Safety Reporting List.
<b>Chemical test rules</b>	: None of the chemicals of this product are under a Chemical Test rule.
Section 12B	: None of the chemicals are listed under TSCA Section 12b
<b>TSCA Significant New use rule SARA</b>	: None of the chemicals in this material have a SNUR under TSCA.
Section 302 (RQ)	: None of the chemicals in this material have an RQ.
Section 302 (TPQ)	: None of the chemicals in this product have a TPQ.
Section 313	: No chemicals are reportable under section 313.
<b>Clean Air Act</b>	: This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any class 2 Ozone depleters.
<b>Clean Water Act</b>	: None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as priority Pollutants under the CWA. None of the chemicals in this product are listed as toxic pollutants under the CWA
<b>OSHA</b>	: None of the chemicals in this product are considered highly hazardous by OSHA.
<b>STATE</b>	: CAS# 5989-27-5, is not present on state lists from CA, PA, MN, MA, FL or NJ. California No
<b>Significant Risk Level</b>	: None of the chemicals in this product are listed.
<b>European/International regulation</b>	
European Labeling in Accordance with EC Directives	
Hazard Symbol	: Not available
<b>Risk Phrases</b>	
<b>Safety Phrases</b>	: S 24/25 avoid contact with skin & eyes.
<b>WSK (Water Danger/Protection)</b>	: CAS# 5989-27-5: No information available.
<b>Canada</b>	: CAS# 5989-27-5 is listed on Canada's DSL/ NDSL list.
<b>WHMIS</b>	: Not available.



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CAS# 5989-27-5 is not listed on Canada's ingredient Disclosure List.

## 16. DISCLAIMER

The information contained on the Material Data Sheet has been compiled from data is accurate to the best of our knowledge, however, it must be pointed out that values for certain properties are known to vary from source to source. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his application. This data relates only to the specific material designated and not to be used in combination with any other material. Attention of Users drawn to hazards resulting from improper use of the Product.