SAFETY DATA SHEET

In accordance with Regulation (EC) No 1907/2006

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

1.1 Product identifier

Product name: LIMON

Reference: 394324

Unique formula identifier (UFI): RSS3-R0P5-3002-MTYP

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

Relevant identified uses: Fragrance for industrial use (formulation or repackaging).

Uses advised against: Any use other than those recommended.

Revision date: 19/03/2025 Version: 3

1.3 Details of the supplier of the safety data sheet

Company: Naturcera

Address: C/Lleida 1 (Pol. Ind. de la Riera de Riudemeia), 08317 Òrrius, Barcelona, Spain

Telephone: +34 93 185 55 00

E-mail: contacto@naturcera.com

1.4 Emergency telephone number

Spanish Toxicology Information Service (SIT): +34 91 562 04 20, 24 hours.

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008:

Skin corrosion/irritation, category 2; H315

Serious eye damage/eye irritation, category 2; H319

Skin sensitisation, category 1; H317

Aspiration hazard, category 1; H304

Hazardous to the aquatic environment, long-term (chronic) hazard, category chronic 2; H411

2.2 Label elements

Pictograms: GHS07, GHS08, GHS09

Signal word: Danger

Contains: (R)-p-mentha-1,8-diene, Citral, Linalool, Pinene

Hazard statements:

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

Precautionary statements:

P280: Wear protective gloves/eye protection/face protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331: Do NOT induce vomiting.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container to an approved waste disposal plant.

Contains (R)-p-mentha-1,8-diene, Citral, Linalool, Pinene, Geraniol, Nerol, Citronellol, 2,6-octadienal, 3,7-dimethyl-, acid-isomerised, Citronellal, p-mentha-1,4(8)-diene, Neryl acetate, Linalyl acetate, p-mentha-1,3-diene. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment: The product does not contain substances identified as PBT and/or vPvB at a concentration equal to or greater than 0.1% (w/w).

Endocrine disrupting properties for the environment: The product does not contain substances identified as having endocrine disrupting properties for the environment at a concentration equal to or greater than 0.1% (w/w).

Endocrine disrupting properties for human health: The product does not contain substances identified as having endocrine disrupting properties for human health at a concentration equal to or greater than 0.1% (w/w).

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Concentration range of the component (% weight/weight)	EC number / Registration number	CAS No.	Chemical name	Hazard class and category codes; Hazard statement codes
≥ 10% and <25%	227-813-5 01-2119529223-47 N.A	5989-27-5	(R)-p-mentha-1,8-diene	Flam. Liq. 3;H226 - Skin Irrit. 2;H315 - Skin Sens. 1B;H317 - Asp. Tox. 1;H304 - Aquatic Acute 1;H400;M=1 - Aquatic Chronic 3;H412
≥ 10% and <25%	226-394-6 01-2119462829-23 N.A	5392-40-5	Citral	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Skin Sens. 1;H317
≥ 1% and <5%	242-362-4 01-2119457274-37	18479-58-8	2,6-dimethyloct-7-en-2-ol	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - STOT SE 3;H336
≥ 1% and <5%	201-134-4 01-2119474016-42 N.A	78-70-6	Linalool	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Skin Sens. 1B;H317
≥ 1% and <5%	202-680-6 N.A	98-55-5	p-menth-1-en-8-ol	Skin Irrit. 2;H315 - Eye Irrit. 2;H319
≥ 1% and <5%	215-533-6 N.A	1330-16-1	Pinene	Flam. Liq. 3;H226 - Skin Irrit. 2;H315 - Skin Sens. 1;H317 - Asp. Tox. 1;H304 - Aquatic Acute 1;H400 - Aquatic Chronic 1;H410
≥ 0.1% and <1%	203-377-1 01-2119552430-49 N.A	106-24-1	Geraniol	Skin Irrit. 2;H315 - Eye Dam. 1;H318 - Skin Sens. 1;H317
≥ 0.1% and <1%	204-683-8 01-2119638274-38	124-13-0	Octanal	Flam. Liq. 3;H226 - Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Aquatic Chronic 2;H411
≥ 0.1% and <1%	203-378-7 01-2119983244-33 N.A	106-25-2	Nerol	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Skin Sens. 1B;H317
≥ 0.1% and <1%	203-375-0 01-2119453995-23 N.A	106-22-9	Citronellol	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Skin Sens. 1B;H317
≥ 0.1% and <1%	202-794-6 01-2120780478-40 N.A	99-85-4	p-mentha-1,4-diene	Flam. Liq. 3;H226 - Asp. Tox. 1;H304 - Aquatic Chronic 2;H411 - Repr. 2;H361
≥ 0.1% and <1%	291-768-8 N.A	90480-35-6	2,6-octadienal, 3,7-dimethyl-, acid-isomerised	Flam. Liq. 2;H225 - Skin Irrit. 2;H315 - Skin Sens. 1B;H317 - Aquatic Chronic 3;H412
≥ 0.1% and <1%	203-376-6 01-2119474900-37 N.A	106-23-0	Citronellal	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Skin Sens. 1B;H317 - Aquatic Chronic 3;H412
≥ 0.1% and <1%	263-214-5 01-2119967769-11	61792-11-8	3,7-dimethylnona-2,6-dienenitrile	Aquatic Chronic 2;H411

Concentration range of the component (% weight/weight)	EC number / Registration number	CAS No.	Chemical name	Hazard class and category codes; Hazard statement codes
≥ 0.1% and <1%	209-578-0 N.A	586-62-9	p-mentha-1,4(8)-diene	Skin Sens. 1B;H317 - Asp. Tox. 1;H304 - Aquatic Acute 1;H400 - Aquatic Chronic 1;H410
≥ 0.1% and <1%	204-622-5 01-2119514321-56 N.A	123-35-3	7-methyl-3-methyleneocta-1,6-diene	Flam. Liq. 3;H226 - Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Asp. Tox. 1;H304 - Aquatic Acute 1;H400 - Aquatic Chronic 2;H411
≥ 0.1% and <1%	205-459-2 01-2120748334-54 N.A	141-12-8	Neryl acetate	Skin Sens. 1B;H317
≥ 0.1% and <1%	204-116-4 01-2119454789-19 N.A	115-95-7	Linalyl acetate	Skin Irrit. 2;H315 - Eye Irrit. 2;H319 - Skin Sens. 1B;H317
≥ 0.1% and <1%	202-796-7 N.A	99-87-6	p-Cymene	Flam. Liq. 3;H226 - Acute Tox. 3;H331 (ATE=3.0 mg/L 4.0 hr) - Asp. Tox. 1;H304 - Aquatic Chronic 2;H411 - Repr. 2;H361
≥ 0.1% and <1%	205-775-0 01-2119959860-27 N.A	150-84-5	Citronellyl acetate	Skin Irrit. 2;H315 - Aquatic Chronic 2;H411
≥ 0.1% and <1%	266-803-5 01-2120794630-50	67634-00-8	Allyl (3-methylbutoxy)acetate	Acute Tox. 4;H302 - Acute Tox. 4;H312 - STOT RE 2;H373 - Aquatic Acute 1;H400
≥ 0.1% and <1%	202-795-1 01-2120766853-42	99-86-5	p-mentha-1,3-diene	Flam. Liq. 3;H226 - Acute Tox. 4;H302 (ATE=1680 mg/kg) - Skin Sens. 1;H317 - Asp. Tox. 1;H304 - Aquatic Chronic 2;H411
≥ 0.1% and <1%	201-035-6 N.A	77-53-2	Cedrol	Aquatic Chronic 2;H411
<0.1%	207-418-4 N.A	469-61-4	[3R-(3α,3aβ,7β,8aα)]-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene	Asp. Tox. 1;H304 - Aquatic Acute 1;H400;M=10 - Aquatic Chronic 1;H410;M=10
<0.1%	245-142-6 01-2120763556-45	22629-49-8	Tridec-2-enenitrile	Skin Sens. 1B;H317 - Aquatic Acute 1;H400;M=10 - Aquatic Chronic 1;H410;M=10

The full text of the hazard statement codes listed here can be found in section 16.

SECTION 4. First aid measures

4.1 Description of first aid measures

Ingestion: Rinse mouth with water. Seek medical attention immediately and show the label or container. Keep at rest. Do not induce vomiting.

Eye contact: Remove contact lenses. Open the eyelids and rinse thoroughly with clean, fresh water. Seek medical attention.

Inhalation: Move the person affected to fresh air, keep warm and at rest.

Skin contact: Remove contaminated clothing. Wash the skin with plenty of water and neutral soap. Consult a doctor if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Irritates the skin or mucous membranes (may cause an inflammatory reaction). Ingestion may cause temporary irritation of the digestive tract. Causes serious eye irritation. May cause an allergic reaction (skin rash, hives). Aspiration hazard. If swallowed it may cause lung damage (aspiration toxicity can have serious acute effects such as chemical pneumonia, more or less severe lung injury and even death by aspiration). Read the label before use. No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5. Fire-fighting measures

5.1 Extinguishing media

Recommended: Use carbon dioxide (CO2), foam or dry powder, taking into account the other substances and products stored. Do not use: direct water jet.

5.2 Special hazards arising from the substance or mixture

Not applicable.

5.3 Advice for fire-fighters

In case of fire in the vicinity, follow these instructions: 1-High temperatures may cause high pressures inside closed containers. 2-Avoid inhaling any fumes or vapours generated. Use suitable respiratory equipment. 3-Do not allow fire-fighting run-off to enter drains or watercourses.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Handle the product with suitable gloves. Avoid breathing vapours. Use suitable respiratory equipment if necessary. Avoid all contact with eyes and skin. Maintain adequate ventilation in work areas after an accidental spill.

6.2 Environmental precautions

Prevent spills from reaching municipal sewers and running water systems.

6.3 Methods and material for containment and cleaning up

Contain and absorb the spill with inert, inorganic, non-combustible material such as sand or earth and transfer it to a container for disposal in accordance with local regulations. Clean the surface thoroughly to remove residual contamination.

6.4 Reference to other sections

See also sections 8 and 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Do not handle the material near food or drinking water. Do not smoke. Avoid contact with eyes, skin and clothing. Wear suitable clothing and protective eyewear. Observe occupational hygiene and safety rules.

7.2 Conditions for safe storage, including any incompatibilities

Keep the product in its original, tightly closed container, in a well-ventilated, dry place, away from sources of ignition and protected from light. Store in accordance with local/national regulations, observing the precautions indicated on the labelling. Keep away from incompatible substances (see the incompatibility section). Store the product in accordance with Royal Decree 656/2017 of 23 June, approving the Regulation on the Storage of Chemical Products and its Complementary Technical Instructions MIE APQ 0 to 10.

7.3 Specific end use(s)

Not available.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

Spain

Substance	Environmental limit value - Daily exposure	Environmental limit value - Short-term exposure	Notes
Citral	5 ppm		Dermal route, Sen, FIV
(R)-p-mentha-1,8-diene	168 mg/m³		Dermal route, Sen
Pinene	113 mg/m³	-	

FIV - Inhalable fraction and vapour. Sen - Sensitiser. Dermal route - Indicates that, in exposures to this substance, the contribution by the skin route may be significant to the total body burden if measures are not taken to prevent absorption.

Sen - Sensitiser. Dermal route - Indicates that, in exposures to this substance, the contribution by the skin route may be significant to the total body burden if measures are not taken to prevent absorption.

8.2 Exposure controls

Personal protective equipment: Use suitable personal protective equipment in accordance with Regulation (EU) 2016/425.

Ventilation: Provide adequate ventilation, adapted to the conditions of use. Use local exhaust if necessary.

Respiratory protection: In case of insufficient ventilation, use suitable respiratory equipment.

Skin protection: Avoid contact with skin. The use of chemical-resistant gloves is recommended. Wash and remove gloves immediately after use. Wash hands thoroughly with soap and water after handling.

Eye protection: In general, safety glasses with side shields are recommended to protect against liquid splashes.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid

pH value: Not applicable

Flash point: 76 °C

Additional information: Not applicable.

9.2 Other information

Not applicable.

SECTION 10. Stability and reactivity

10.1 Reactivity: Not available.

10.2 Chemical stability: Stable under normal conditions of use.

10.3 Possibility of hazardous reactions: Hazardous polymerisation: No known hazardous reactions under normal processing conditions.

10.4 Conditions to avoid: Heat, flames and other sources of ignition. The usual precautions for handling chemical products must be observed.

10.5 Incompatible materials: Inorganic acids, caustic products, strong oxidising agents, strong reducing agents, nitrides, azo and diazo compounds and hydrazines.

10.6 Hazardous decomposition products: Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

See also sections 2 and 3. No toxicological information is available on the product. Always use the product with care when handling chemical products.

Acute toxicity: This mixture does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.

Skin corrosion/irritation: This mixture meets the classification criteria in accordance with Regulation (EC) No 1272/2008.

Serious eye damage/eye irritation: This mixture meets the classification criteria in accordance with Regulation (EC) No 1272/2008.

Respiratory or skin sensitisation: This mixture meets the classification criteria in accordance with Regulation (EC) No 1272/2008.

Germ cell mutagenicity: This mixture does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.

Carcinogenicity: This mixture does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.

Reproductive toxicity: This mixture does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.

Specific target organ toxicity (STOT) - single exposure: This mixture does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.

Specific target organ toxicity (STOT) - repeated exposure: This mixture does not meet the classification criteria in accordance with Regulation (EC) No 1272/2008.

Aspiration hazard: This mixture meets the classification criteria in accordance with Regulation (EC) No 1272/2008.

11.2 Information on other hazards

Endocrine disrupting properties: The product does not contain substances identified as having endocrine disrupting properties for human health at a concentration equal to or greater than 0.1% (w/w).

SECTION 12. Ecological information

12.1 Acute aquatic toxicity: Not determined.

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not determined.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: The product does not contain substances identified as PBT and/or vPvB at a concentration equal to or greater than 0.1% (w/w).

12.6 Endocrine disrupting properties: The product does not contain substances identified as having endocrine disrupting properties for the environment at a concentration equal to or greater than 0.1% (w/w).

12.7 Other adverse effects: Not available. Avoid contamination of soil, groundwater and surface water.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Packaging/containers: Do not reuse empty containers. Containers with product residues must be disposed of as hazardous waste.

Disposal conditions: Dispose of product residues and their containers with all possible precautions and in accordance with current local and national provisions.

SECTION 14. Transport information

International carriage of dangerous goods by road (ADR)

14.1 UN number: UN3082

14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains (R)-p-mentha-1,8-diene, Pinene)

14.3 Class: 9

14.4 Packing group: III

14.6 Special precautions for user - Tunnel restriction code: (-)

Label: 9

Maritime transport (IMDG)

14.1 UN number: UN3082

14.2 UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Contains (R)-p-mentha-1,8-diene, Pinene)

14.3 Class: 9

14.4 Packing group: III

14.5 Marine pollutant: Yes

14.6 Special precautions for user - IMDG segregation group code: -

EmS: F-A,S-F

Label: -

14.7 Maritime transport in bulk according to IMO instruments: Not applicable

Air transport (ICAO/IATA)

14.1 UN number: UN3082

14.2 UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Mixture of (R)-p-mentha-1,8-diene, Pinene)

14.3 Class: 9

14.4 Packing group: III

14.6 Special precautions for user - Passenger aircraft: PERMITTED

Cargo aircraft: PERMITTED

Label:

SECTION 15. Regulatory information

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

Substances of very high concern: The product does not contain substances included in the list of Substances of Very High Concern (> 0.1% w/w).

15.2 Chemical safety assessment

Not available.

SECTION 16. Other information

Full text of the hazard statement codes mentioned in section 3:

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H331: Toxic if inhaled.
H336: May cause drowsiness or dizziness.
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Restricted to industrial use.

Main bibliographic references and data sources:

1. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

2. REGULATION (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Exposure Limits for Chemical Agents adopted by the National Institute for Safety and Health at Work (INSST).

The information in this document is provided on the basis of the knowledge available on the product at the time of its publication. Any use of the product other than that indicated in section 1, or its combination with other products, is the responsibility of the user. The specifications in this safety data sheet describe the safety requirements of our product and do not represent a guarantee of its properties.

Revision date: 19/03/2025 Version: 3

Reason for revision: Changes in section 3.