

Lemon essential oil, Argentina

Safety Data Sheet

Issued 01/15/2019 C.G

SECTION 1: Identification

1.1. Identification

Product form : Substance
Substance name : LEMON OIL ARGENTINE
CAS No : 8008-56-8

1.2. Recommended use and restrictions on use

Recommended use : Ingredients used in Flavors and Fragrances.

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
www.camdengrey.com

1.4. Emergency telephone number

Emergency number : Emergency number : Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

| | |
|---|--|
| Flammable liquids, Category 3 | Flammable liquid and vapour |
| Skin corrosion/irritation, Category 2 | Causes skin irritation |
| Sensitisation — Skin, category 1 | May cause an allergic skin reaction |
| Aspiration hazard, Category 1 | May be fatal if swallowed and enters airways |
| Hazardous to the aquatic environment — Acute Hazard, Category 1 | Very toxic to aquatic life |
| Hazardous to the aquatic environment — Chronic Hazard, Category 1 | Very toxic to aquatic life with long lasting effects |

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Flammable liquid and vapour
May be fatal if swallowed and enters airways
Causes skin irritation
May cause an allergic skin reaction
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) :

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/... equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash ... thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Avoid release to the environment
Wear protective gloves/protective clothing/eye protection/face protection
If swallowed: Immediately call a poison center/doctor/...
If on skin: Wash with plenty of water/...

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Specific treatment (see ... on this label)
Do NOT induce vomiting
If skin irritation occurs: Get medical advice/attention
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
Wash contaminated clothing before reuse
In case of fire: Use ... to extinguish
Collect spillage
Store in a well-ventilated place. Keep cool
Store locked up
Dispose of contents/container to ...

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Name : LEMON OIL ARGENTINE
CAS No : 8008-56-8

| Name | Product identifier | % | GHS-US classification |
|---------------------------------|--------------------|----------|---|
| (R)-P-Mentha-1,8-Diene | (CAS No) 5989-27-5 | 50 - 100 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| BETA-PINENES | (CAS No) 127-91-3 | 2.5 - 10 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 |
| GAMMA TERPINENE | (CAS No) 99-85-4 | 2.5 - 10 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 |
| pin-2(3)-ene | (CAS No) 80-56-8 | 1 - 2.5 | Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| CITRAL | (CAS No) 5392-40-5 | 1 - 2.5 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| 7-methyl-3-methylocta-1,6-diene | (CAS No) 123-35-3 | 1 - 2.5 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 |

Full text of classification categories and H statements : see section 16

3.2. Mixture

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
First-aid measures after eye contact : Wash thoroughly with soft, clean water for 15 minutes holding eye lids open.
First-aid measures after ingestion : Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.
Symptoms/injuries after ingestion : Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration. Fatal if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Carbon dioxide. Foam. Water spray. Dry powder.
 Unsuitable extinguishing media : Water Jet.

5.2. Specific hazards arising from the chemical

Fire hazard : A fire will often produce a thick black smoke. Do not breathe smoke.
 Reactivity : In the event of a fire, carbon monoxide can be formed. In the event of a fire, carbon dioxide may be formed.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Wear recommended personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Do not allow product to spread into the environment. If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Cleansing agent. Absorb with liquid-binding material.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Avoid accumulation of electrostatic charges.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Fumes can combine with air to form an explosive mixture.
 Storage conditions : Store in original container. The floor of the depot must be impermeable, non-combustible and designed to form a basin, in order that stored flammable liquids should not, under any circumstances, be released outside. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

(R)-P-Mentha-1,8-Diene (5989-27-5)

Not applicable

BETA-PINENES (127-91-3)

Not applicable

GAMMA TERPINENE (99-85-4)

Not applicable

pin-2(3)-ene (80-56-8)

Not applicable

CITRAL (5392-40-5)

Not applicable

7-methyl-3-methyleneocta-1,6-diene (123-35-3)

Not applicable

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8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Protective goggles.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-------------------------------------|
| Physical state | : Liquid |
| Appearance | : Liquid. |
| Colour | : Yellow to greenish yellow |
| Odour | : characteristic |
| Odour threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : > 34 °C |
| Flash point | : 50 °C |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : 2.3 hPa |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 0.8525 g/cm ³ |
| Solubility | : Not miscible or difficult to mix. |
| Log Pow | : No data available |
| Auto-ignition temperature | : 255 °C |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 18 mm ² /s |
| Viscosity, dynamic | : No data available |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

In the event of a fire, carbon monoxide can be formed. In the event of a fire, carbon dioxide may be formed.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Reacts violently with oxidizing agents. Formation of explosive gas mixture with air possible.

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10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

heating causes vaporization and the formation of ignitable atmosphere is possible.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.

Symptoms/injuries after ingestion : Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration. Fatal if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life.

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. Other adverse effects

Effect on the global warming : No known effects from this product.

GWPmix comment : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.

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| | |
|--|---|
| Waste treatment methods | : Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals. Do not contaminate ground and surface water. Do not allow into drains or water courses. |
| Product/Packaging disposal recommendations | : Empty container completely. Keep label on container. Give to a certified disposal contractor. |

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated

TDG

Not regulated

Transport by sea

| | |
|---------------------------------------|--|
| Transport document description (IMDG) | : UN 1993 FLAMMABLE LIQUID, N.O.S. (Terpene hydrocarbons, mixture, alpha-Pinene), Marine Pollutant, 3, III |
| UN-No. (IMDG) | : 1993 |
| Proper Shipping Name (IMDG) | : FLAMMABLE LIQUID, N.O.S. (Terpene hydrocarbons, mixture, alpha-Pinene), Marine Pollutant |
| Class (IMDG) | : 3 - Flammable liquids |
| Packing group (IMDG) | : III - substances presenting low danger |
| Marine pollutant | : Yes |



Air transport

| | |
|---------------------------------------|--|
| Transport document description (IATA) | : UN 1993 FLAMMABLE LIQUID, N.O.S. (TERPENE HYDROCARBONS, MIXTURE, ALPHA-PINENE), 3, III |
| UN-No. (IATA) | : 1993 |
| Proper Shipping Name (IATA) | : FLAMMABLE LIQUID, N.O.S. (TERPENE HYDROCARBONS, MIXTURE, ALPHA-PINENE) |
| Class (IATA) | : 3 - Flammable Liquids |
| Packing group (IATA) | : III - Minor Danger |

SECTION 15: Regulatory information

15.1. US Federal regulations

BETA-PINENES (127-91-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Full text of H-statements:

| | |
|------|--|
| H226 | Flammable liquid and vapour |
| 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 |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.