

Rosemary oil

Safety Data Sheet

Revision 2 Revision Date 5/17/2018

SECTION 1: Identification

1.1. Identification

Product form : Substance
Substance name : Rosemary Oil

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 : 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
Specific target organ toxicity — Single exposure, Category 2	May cause damage to organs
Aspiration hazard, Category 1	May be fatal if swallowed and enters airways
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
May cause damage to organs
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
Do not breathe dust/fume/gas/mist/vapours/spray
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash ... thoroughly after handling
Do not eat, drink or smoke when using this product
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/...

Safety Data Sheet

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 : Rosemary (Camphor) Oil

Name	Product identifier	%	GHS-US classification
ALPHA-PINENE X	(CAS No) 80-56-8	10 - 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
Camphor L(XN68)+10% X	(CAS No) 76-22-2	10 - 25	Flam. Sol. 1, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:gas), H332 STOT SE 2, H371
EUCALYPTOL	(CAS No) 470-82-6	10 - 25	Flam. Liq. 3, H226 Skin Sens. 1B, H317
BENZOATE DE BENZYLE	(CAS No) 120-51-4	2.5 - 10	Acute Tox. 4 (Oral), H302 Aquatic Chronic 2, H411
PINENES (ALPHA OR BETA)		2.5 - 10	Flam. Liq. 3, H226 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
CAMPHENE	(CAS No) 79-92-5	2.5 - 10	Eye Irrit. 2A, H319 Aquatic Chronic 1, H410
DL-LIMONENE (RACEMIC)	(CAS No) 138-86-3	2.5 - 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PARA-CYMENE	(CAS No) 99-87-6	2.5 - 10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
B-PINENE	(CAS No) 127-91-3	2.5 - 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
TERPINEOL	(CAS No) 80000-41-7	2.5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319

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 general : NEVER induce swallowing in an unconscious person.
First-aid measures after inhalation : Allow the victim to rest. Assure fresh air breathing.

Safety Data Sheet

First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital. In the event of an allergic reaction, seek medical attention.
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 give patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with lukewarm water and consult a doctor. If accidentally swallowed obtain immediate medical attention. If you feel unwell, seek medical advice. Keep the person exposed at rest. Do not force vomiting.

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

Symptoms/injuries after inhalation	: Exposure to vapours from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Symptoms/injuries after skin contact	: May cause irreversible damage to skin: namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Splashes in the eyes may cause irritation and reversible local damage.
Symptoms/injuries after ingestion	: May cause damage to organs ({{0 message=<or state all organs affected, if known> filter=(_)?ORGAN_+}}) through prolonged or repeated exposure ({{1 message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard> filter=(_)?EXP_ROUTE_+}).

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	: ABC-powder. BC-powder. Carbon dioxide. Halons. Foam. Water spray. Water with AFFF (Aqueous Film Forming Foam) additive.
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

Firefighting instructions	: Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Eliminate every possible source of ignition. Keep in a cool, well-ventilated place away from heat.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
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6.1.2. For emergency responders

Protective equipment	: Wear recommended personal protective equipment.
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6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Do not allow to enter drains or water courses. Use drums to dispose of collected waste in compliance with current regulations. 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	: Clean up with detergents. Do not use solvents or thinners.
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6.4. Reference to other sections

No additional information available

Safety Data Sheet

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Individuals with a history of skin sensitisation should not, under any circumstance, handle this substance. The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive. Never open the packages under pressure.
- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash hands immediately after handling the product. Remove contaminated clothing. Vapours are heavier than air. The can spread along the ground and form mixtures that are explosive with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Prevent access by unauthorized personnel. Prevent the build-up of electrostatic charge. Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours.
- Hygiene measures : Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Avoid the build-up of electrostatic charge. Keep away from food and drink, including for animals. Keep in a cool, well-ventilated place away from heat. Store in a well-ventilated place. Keep container tightly closed.
- Storage conditions : Keep away from food and drink, including for animals. Keep away from ignition sources. Keep container closed when not in use. Store in a well-ventilated place. Keep container tightly closed. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ALPHA-PINENE X (80-56-8)

Not applicable

Camphor L(XN68)+10% X (76-22-2)

Not applicable

EUCALYPTOL (470-82-6)

Not applicable

BENZOATE DE BENZYLE (120-51-4)

Not applicable

PINENES (ALPHA OR BETA)

Not applicable

CAMPHENE (79-92-5)

Not applicable

DL-LIMONENE (RACEMIC) (138-86-3)

Not applicable

PARA-CYMENE (99-87-6)

Not applicable

B-PINENE (127-91-3)

Not applicable

TERPINEOL (80000-41-7)

Not applicable

8.2. Appropriate engineering controls

No additional information available

Safety Data Sheet

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Protective clothing. Protective goggles.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless to pale yellow
Odour	: Camphorated characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 42 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: < 1
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
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

This substance is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NO_x).

10.4. Conditions to avoid

Avoid accumulation of electrostatic charges. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

Safety Data Sheet

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Camphor L(XN68)+10% X (76-22-2)	
ATE US (oral)	500.000 mg/kg bodyweight
ATE US (gases)	4500.000 ppmv/4h

BENZOATE DE BENZYLE (120-51-4)	
ATE US (oral)	500.000 mg/kg bodyweight

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) : May cause damage to organs.

Specific target organ toxicity (repeated exposure) : Not classified

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

Potential adverse human health effects and symptoms : Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

Symptoms/injuries after inhalation : Exposure to vapours from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Symptoms/injuries after skin contact : May cause irreversible damage to skin: namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Splashes in the eyes may cause irritation and reversible local damage.

Symptoms/injuries after ingestion : May cause damage to organs ({{0|message=<or state all organs affected, if known>|filter=(_)?ORGAN_.+}}) through prolonged or repeated exposure ({{1|message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|filter=(_)?EXP_ROUTE_.+}}).

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Do not allow into drains or water courses. Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

No additional information available

Safety Data Sheet

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.

Waste treatment methods : Do not contaminate ground and surface water. Do not allow into drains or water courses. 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. Give to a certified disposal contractor.

Product/Packaging disposal recommendations : Avoid release to the environment. Empty container completely. Keep label on container. Recycle or dispose of in compliance with current legislation.

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 1266 UN1266=PERFUMERY PRODUCTS, 3, III

UN-No. (IMDG) : 1266

Proper Shipping Name (IMDG) : UN1266=PERFUMERY PRODUCTS

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

Marine pollutant : Yes



Air transport

Transport document description (IATA) : UN 1266 UN1266=PERFUMERY PRODUCTS, 3, III

UN-No. (IATA) : 1266

Proper Shipping Name (IATA) : UN1266=PERFUMERY PRODUCTS

Class (IATA) : 3 - Flammable Liquids

Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Safety Data Sheet

CAMPHENE (79-92-5)

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
H228	Flammable solid
H302	Harmful if swallowed
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
H332	Harmful if inhaled
H371	May cause damage to organs
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

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