

GERANIUM OIL, EGYPT

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Identification of the substance/mixture

Trade name: GERANIUM OIL, EGYPT
Substance name: GERANIUM OIL
CAS Number: 90082-51-2
CE Number: 290-140-0
REACH Registration number: 01-2120769423-50

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

Raw material for the manufacture of fragrances and/or flavourings.

1.3. Details of the supplier of the safety data sheet

Company: Prodasynth
Address: 4 Av. Joseph Honoré Isnard
06130 GRASSE - FRANCE
Telephone: (00 33) 4 93 09 00 11
Fax: (00 33) 4 22 13 07 38
E-mail: info@prodasynt.com

1.4. Emergency telephone number

(00 33) 4 93 09 00 11 (8:30 - 17:30)
National emergency information services:
FR: (+33) 1 45 42 59 59 (24h/7)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Skin Irritant - Category 2 - H315
Eye Irritant - Category 2 - H319
Skin sensitizer - Category 1B - H317

2.2. Label Elements

Hazard pictograms:



Signal Word:

Warning

Hazard statements:

H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

Precautionary statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352+P333+P313 - IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338+P337+P313 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

Supplemental Hazard Information:

Contains CITRONELLOL, GERANIOL, LINALOOL, ALPHA-PINENE, LIMONENE, BETA-PINENE, MENTHONE, ISOMENTHONE, GERANYL FORMATE, CITRONELLYL BUTYRATE, CITRONELLYL TIGLATE, CITRONELLYL FORMATE, BETA-CARYOPHYLLENE, CITRAL. May produce an allergic reaction.

2.3. Other hazards

No Information available

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical name: GERANIUM OIL
 CAS number: 90082-51-2
 EC number: 290-140-0

Hazardous constituents:

Chemical Name	% (w/w)	CAS No EC No	Classification according to Regulation 1272/2008
CITRONELLOL	≥25; <50	106-22-9 203-375-0	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317
GERANIOL	≥10; <25	106-24-1 203-377-1	Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1B - H317
CITRONELLYL FORMATE	≥1; <10	105-85-1 203-338-9	Skin Irrit. 2 - H315 Skin Sens. 1B - H317
ISOMENTHONE	≥1; <10	491-07-6 207-727-4	Skin Irrit. 2 - H315 Skin Sens. 1B - H317
LINALOOL	≥1; <10	78-70-6 201-134-4	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317
GERANYL FORMATE	≥1; <10	105-86-2 203-339-4	Skin Sens. 1B - H317 Aquatic Chronic 1 - H410
CITRONELLYL TIGLATE	≥1; <10	24717-85-9 246-426-2	Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
MENTHONE	≥1; <10	1074-95-9 214-049-2	Skin Irrit. 2 - H315 Skin Sens. 1B - H317
BETA-CARYOPHYLLENE	≥1; <10	87-44-5 201-746-1	Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413
ROSE OXIDE	≥1; <10	16409-43-1 240-457-5	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361
CITRAL	≥1; <10	5392-40-5 226-394-6	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317
ALPHA-PINENE	≥0.1; <1	80-56-8 201-291-9	Flam. Liq. 3 - H226 Acute Tox. 4 (oral) - H302 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
CITRONELLYL BUTYRATE	≥0.1; <1	141-16-2 205-463-4	Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
LIMONENE	≥0.1; <1	138-86-3 205-341-0	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
BETA-PINENE	≥0.1; <1	127-91-3 204-872-5	Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

See the full text of the hazard statements in section 16.

3.2. Mixtures

Not applicable.

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SECTION 4. FIRST-AID MEASURES

4.1. Description of necessary first aid measures

Ingestion:	Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
Inhalation:	Remove person to fresh air and keep at rest. Seek immediate medical advice.
Skin contact:	Take off immediately all contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.
For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
Do not allow spillage of fire to be poured into drains or watercourses.
Wear self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Place in covered containers using non-sparking tools and transport outdoors.
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
Ventilate area and wash spill site after material pickup is complete.

6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
Observe the rules of safety and hygiene at work.
Keep in the original container or an alternative made from a compatible material.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
Keep away from incompatible materials (see section 10).

7.3. Specific end use(s)

No information available.

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SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Components with occupational exposure limits:

Chemical Name	CAS No	Norm.	8 hr.		15 min.		
			ppm	mg/m ³		ppm	mg/m ³
CITRAL	5392-40-5	ES (España) ¹	VLA-ED	5		VLA-EC	
		PL (Polska)	NDS		27	NDSch	54

¹ Possibility of significant uptake through the skin.

8.2. Exposure controls

Appropriate engineering controls: Measures should be taken to prevent materials from being splashed into the body. Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

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

Environmental exposure controls: Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation. In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Colour: Conforms to standard

Odour: Conforms to standard

Odour threshold: Not determined

pH: Not determined

Melting point/freezing point: Not determined

Boiling point/boiling range: Not determined

Flash point: 64 °C

Evaporation rate: Not determined

Flammability: Not determined

Lower flammability/Explosive limit: Not determined

Upper flammability/Explosive limit: Not determined

Vapour pressure: Not determined

Vapour Density: Not determined

Density: 0,884—0,901 g/mL (20°C)

Relative density: 0,884—0,901 (20°C)

Water solubility: INSOLUBLE IN WATER

Solubility in other solvents: SOLUBLE IN ETHANOL

Partition coefficient n-octanol/water: Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity, dynamic: Not determined

Viscosity, kinematic: Not determined

Explosive properties: Not determined

Oxidising properties: Not determined

9.2. Additional information

No information available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

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10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Based on the data available, the criteria for classification are not met.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Based on the data available, the criteria for classification are not met.
Carcinogenicity	Based on the data available, the criteria for classification are not met.
Reproductive toxicity	Based on the data available, the criteria for classification are not met.
STOT-single exposure	Based on the data available, the criteria for classification are not met.
STOT-repeated exposure	Based on the data available, the criteria for classification are not met.
Aspiration hazard	Based on the data available, the criteria for classification are not met.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment:

Based on the data available, the criteria for classification are not met.

Experimental/calculated data:

- Toxicity for aquatic invertebrates: LC50 (48h) : 14.5 mg/L. (OECDTG 202).
- Toxicity for algae: ErC50 (72h) : 30.4 mg/L. (OECDTG 201).

12.2. Degradability

Biodegradation : > 67%. (OECD 301 D).

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID/ADN	IMDG	IATA-ICAO
14.1. UN Number	Not classified as hazardous goods	Not classified as hazardous goods	Not classified as hazardous goods
14.2. UN Proper Shipping Name	Not applicable	Not applicable	Not applicable
14.3. Transport Hazard Class(es)	Not applicable	Not applicable	Not applicable
14.4. Packing Group	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards	No	No	No
Additional information			

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14.6 Special precautions for user

None known

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

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

No information available

15.2. Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

H226 – Flammable liquid and vapour.

H302 – Harmful if swallowed.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation.

H361 – Suspected of damaging fertility or the unborn child.

H400 – Very toxic to aquatic life.

H410 – Very toxic to aquatic life with long lasting effects.

H413 – May cause long lasting harmful effects to aquatic life.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.

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