

CERTIFICATE OF ANALYSIS

PRODUCT GERANIUM OIL, EGYPT

BATCH NO. 4417501

BEST BEFORE END DECEMBER 2023

| TEST | UNIT | RESULTS |
|-------------------|--------|-----------------------------|
| APPEARENCE | | CLEAR MOBILE LIQUID |
| COLOR | | YELLOW-BROWN |
| ODOR | | FRESH, SWEET, GREEN, HERBAL |
| DENSITY 20 | (g/ml) | 0.889 |
| REFRACTIVE IND.20 | | 1.4650 |
| GC ANALYSIS | | PROFILE SIMILAR TO STANDARD |

Exempt from registration (according to article 2.5 of REACH)

WE CERTIFY THAT THE QUALITY OF THIS PRODUCT CONFORMS WITH OUR SPECIFICATIONS.

THIS CERTIFICATE DOES NOT RELEASE THE CUSTOMER FROM THE OBLIGATION TO CARRY OUT AN EXAMINATION OF THE GOODS RECEIVED.

MADAR CORPORATION LTD SHALL NOT BE HELD LIABLE FOR ANY DAMAGE OR INJURY RESULTING FROM HANDLING OR WITH THE ABOVE PRODUCT.

THIS IS A COMPUTER PRINTED DOCUMENT AND IT IS THEREFORE NOT SIGNED.

DATE 30/11/20 QUALITY CONTROL DPT.



FRAGRANCE ALLERGENS

Product name: GERANIUM OIL, EGYPT

| Ingredient | Total content (w/w) |
|--|---------------------|
| Amyl cinnamic alcohol (CAS 101-85-9) | Not Detected |
| Amyl cinnamic aldehyde (CAS 122-40-7) | Not Detected |
| Anisyl alcohol (CAS 105-13-5) | Not Detected |
| Benzyl alcohol (CAS 100-51-6) | Not Detected |
| Benzyl benzoate (CAS 120-51-4) | Not Detected |
| Benzyl cinnamate (CAS 103-41-3) | Not Detected |
| Benzyl salicylate (CAS 118-58-1) | Not Detected |
| Cinnamic alcohol (CAS 104-54-1) | Not Detected |
| Cinnamic aldehyde (CAS 104-55-2) | Not Detected |
| Citral (CAS 5392-40-5) | < 3% |
| Citronellol (CAS 106-22-9) | < 36,0% |
| Coumarin (CAS 91-64-5) | Not Detected |
| Eugenol (CAS 97-53-0) | Not Detected |
| Farnesol (CAS 4602-84-0) | Not Detected |
| Geraniol (CAS 106-24-1) | < 18,0% |
| Hexylcinnamic aldehyde (CAS 101-86-0) | Not Detected |
| Hydroxycitronellal (CAS 107-75-5) | Not Detected |
| Hydroxymethylpentylcyclohexene carboxaldehyde (Lyral) (CAS 31906-04-4) | Not Detected |
| Isoeugenol (CAS 97-54-1) | Not Detected |
| D-Limonene (CAS 5989-27-5) | < 0,5% |
| Linalool (CAS 78-70-6) | < 7,0% |
| 2-methyl-3-(4-(1,1-dimethyl ethyl) phenyl)propanal (Lilial) (CAS 80-54-6) | Not Detected |
| Methyl heptine carbonate (CAS 111-12-6) | Not Detected |
| Gamma-methylionone (iso-alfa-Methylionone) (3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one) (CAS 127-51-5) | Not Detected |
| Treemoss (Evernia furfuracea) (CAS 90028-67-4) | Not Detected |
| Oakmoss (Evernia prunastri)(CAS 90028-68-5) | Not Detected |

Detection limit: 10 ppm

This list comprises references 45, 67 and 69 to 92 in Annex III to Regulation (EC) 1223/2009 (the Cosmetics Regulation).

Version date: 20 January 2014



CMR SUBSTANCES

Product: **GERANIUM OIL, EGYPT**

This is to inform about the content of substances classified as CMR (carcinogenic, mutagenic or reprotoxic) in the above-mentioned material, according to the current versions of the UN Global Harmonised System (GHS) and the EU Regulation 1272/2008 (the "CLP Regulation").

| CAS | CMR classification | % w/w |
|------------|--------------------|-----------|
| 16409-43-1 | Repr. 2 - H361 | 0,9 - 1,1 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

The list contains those substances at or above 0.1 % considered as CMR (cat. 1, 2 or 3 and additional categories), either self-classified or under a harmonized classification.

Please note that a given content of a CMR substance in the material does not necessarily trigger a CMR classification and that the threshold for such classification depends on the GHS national implementation.

The information contained herein is to the best of our knowledge reliable. However, it should be noted that it is the responsibility of the manufacturer of the material containing this ingredient to identify and comply with all relevant legal requirements.

This document is electronically generated and therefore it is not signed.



IFRA CONFORMITY CERTIFICATE

Product: **GERANIUM OIL, EGYPT**

We certify that the above-mentioned product is in compliance with the Standards of the International Fragrance Associaton (IFRA) up to and including the 49th Amendment to the IFRA Standards (published January 2020), provided it is used in the following categories at a maximum concentration level of ⁽¹⁾:

| Category 1 | 3,67% (2) | Category 7A | 6,67% (2) |
|-------------|-----------|--------------|----------------|
| Category 2 | 1,07% | Category 7B | 6,67% |
| Category 3 | 3,33% | Category 8 | 1,7% |
| Category 4 | 20% | Category 9 | 40% |
| Category 5A | 5% | Category 10A | 40% |
| Category 5B | 5% | Category 10B | Not restricted |
| Category 5C | 5% | Category 11A | 1,7% |
| Category 5D | 1,7% | Category 11B | 1,7% |
| Category 6 | 11,67% | Category 12 | Not restricted |

the concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product.

Please note this certificate does not include food status conformity check. A separate document, wich may be available depending on the product, is needed for such purpose.

Contains the following substances restricted by IFRA standards:

| CITRONELLOL | < 36% |
|-------------|--------|
| GERANIOL | < 18% |
| CITRAL | < 3% |
| CITRONELLAL | < 0,2% |

and complies with the latest IFRA specification.

This certificate provides restrictions for use of the specified product based only on those materials rectricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. It does not provide certification of a comprehensive safety assessment of all product constituents.

Version Date: 11 May 2020

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IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavour Industry).



Product Name : Date

Confidential Fragrance Product Information Form

| 1. <u>General Information</u> Chemical name Type of Product: INCI Name : | GERANIUM OIL NATURAL EXTRACTS PELARGONIUM GRAV | | ENS (| OIL | |
|--|--|----------|-------|---|-----|
| CAS number: CAS number(alternative) FEMA GRAS number FDA GRAS citation: Molecular Formula: Molecular weight: Generic Chemical class: Purity Process description: | 90082-51-2 :8000-46-2 2508 182.20 - - Steam distillation | | | | |
| <u>Country of Origin</u> Harmonized Tariff Code: | 3301294100 | | | | |
| material : Yes BSE Statement The product contains material : No Organic Status | No X erials of specific risk fron | n bovi | ne, o | cally modified organism (GMO) vine or caprine animal species: nents of Regulation (EC) 834/20 | 007 |
| 2. Regulatory Status of | | | | | |
| | | | | isted on the following inventorie | S: |
| Region USA | Inventory TSCA | Yes | No | Inventory Number | |
| EUROPE | EINECS/ELINCS | X | | 290-140-0 | |
| | | | | 290-140-0 | |
| Canada | DSL/NDSL | X | | | |
| Japan | ENCS | | | | |
| Australia | AICS | <u> </u> | | | |
| New Zealand | NZIoC | X | | | |
| Philippines | PICCS | X | | | |
| Korea | ECL | X | | KE-26943 | |
| China | IECSC | X | | | |
| Taiwan | TCSI | X | | | |

Taiwan

Product Name : GERANIUM OIL, EGYPT

Date : 9 December 2020

| 3. <u>Hazard identification</u> | (please see our SDS) |
|---------------------------------|----------------------|
|---------------------------------|----------------------|

- 4. <u>Transportation</u> (please see our SDS)
- 5. CMR Substances (please see our SDS)
- **6.**<u>Animal testing</u> (the product has not been tested on animals for cosmetic purposes.)

7. Fragrance Specific Information

EU fragrance Allergens

Allergens certificate available on request.

IFRA Certificate

IFRA certificate available on request.

Regulation (EC) 1223/2009 on Cosmetics Products

Substance(s) which are mentioned in the Annexes to the EU Cosmetics Regulation (other than preservatives, dyes, UV filters, fragrance allergens):

None present

| Name | CAS-No. | Annex/Ref. | Percentage |
|------|---------|------------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Other fragrance materials, restricted by major customers

Halogenated and Nitromusk substances:None presentXName of Halogenated / NitromuskCAS-No.PercentageMusk Ketone81-14-1Musk Xylol81-15-2Rosalin90-17-5

| Polycyclic musk compounds | Nor | None present 🗶 | | |
|----------------------------------|------------|----------------|--|--|
| Name of Polycyclic musk | CAS-No. | Percentage | | |
| Celestolide® (Crysolide® , ADBI) | 13171-00-1 | | | |
| Galaxolide® (Abbalide®, HHCB) | 1222-05-5 | | | |
| Phantolide® (AHDI) | 15323-35-0 | | | |
| Tonalide® (Fixolide®, AHTN) | 21145-77-7 | | | |
| Traseolide® (ATII) | 68140-48-7 | | | |
| · · · | | | | |

| Macrocyclic musk compounds | | None present X | | |
|----------------------------|---------|----------------|------------|--|
| Name of Macrocyclic Musk | CAS-No. | | Percentage | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Product Name: GERANIUM OIL, EGYPT

Date : 9 December 2020

Additives and solvents

| enzyl benzoate iethyl phthalate | Percentage | Ingredient name | Percentage |
|---------------------------------|----------------|--------------------|----------------|
| | g. | BHA | |
| | | BHT | |
| ipropyleneglycol | | Tocopherol | |
| thanol | | ' | |
| thyl diglycol | | | |
| ercolyn | | | |
| opropyl myristate | | | |
| ropyleneglycol | | | |
| riacetin | | | |
| riethyl citrate | | | |
| | | | |
| | _ | | _ |
| esidual solvents | None present X | Preservatives | None present X |
| gredient name | Percentage | Ingredient name | Percentage |
| enzene | | Methyl benzoate | |
| oluene | | Ethyl benzoate | |
| exane | | Butyl benzoate | |
| thanol | | Isobutyl benzoate | |
| lethanol | | Benzyl alcohol | |
| mulsifiers | None present X | UV filters | None present X |
| iardaidht namd | Percentage | Ingredient name | Percentage |
| gredient name | | | |
| igredient name | | | |
| igredient name | | | |
| | None present X | | |
| olors & dyes | None present X | Color Index Number | Percentage |

Product Name: GERANIUM OIL, EGYPT Date : 9 December 2020

Percentage 0,3000

| 10. California Proposition 65 None present | | |
|---|--|--------------------------------|
| Name | CAS-No. | |
| MYRCENE | 123-35-3 | < |
| | 120 00 0 | |
| | | |
| | | |
| | | |
| | - | |
| | | |
| 11. CITES - Convention on International Trade in E The product is listed in the Appendice to t The product is exempt from CITES require | the CITES convention. | |
| 12. <u>Supplier Guarantee</u> | | |
| The information contained herein is to the best of our knowle has been compiled from the currently existing information in the data obtained from the analysis made in our laboratory. ultimate responsibility of our customers to ensure the suitable by further testing if need be. This document cancels and repproduct. | our files received from our suppliers It is provided for your guidance only. ility of the product for their particular p | and/or It is the purpose |
| This questionnaire is electronically generated and therefore Version 4 $Revised\ 08/01/18$ | it is not signed. | |



GERANIUM OIL, EGYPT

SAFETY DATA SHEET

Print Date: 09-12-2020

Revision date: 20-05-2019 Conforms to Regulation (EC) No. 1907/2006 (REACH) Version: 3.5/CLP/EN

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

1.1. Identification of the substance/mixture

GERANIUM OIL, EGYPT Trade name:

Substance name: GERANIUM OIL CAS Number: 90082-51-2 290-140-0 **CF Number: 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: **MADAR Corporation Limited** Address: 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire SP6 1PA UK

Telephone: (00 44) 1425 655555

E-mail: sales@madarcorporation.co.uk

1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h) NCEC (+34) 91 114 2520 (24h) (ES) NCEC (+1) 202 464 2554 (24h) (USA, Canada)

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.

Suplemental 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.

SAFETY DATA SHEET Conforms to Regulation (EC) No. 1907/2006 (REACH) GERANIUM OIL, EGYPT

Revision date: 20-05-2019 Version: 3.5/CLP/EN

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.

SAFETY DATA SHEET Conforms to Regulation (EC) No. 1907/2006 (REACH) GERANIUM OIL, EGYPT

Version: 3.5/CLP/EN

Revision date: 20-05-2019

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 surronding 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.

SAFETY DATA SHEET Conforms to Regulation (EC) No. 1907/2006 (REACH)

Version: 3.5/CLP/EN

GERANIUM OIL, EGYPT

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Revision date: 20-05-2019

Components with occupational exposure limits:

| Chemical Name | CAS No | Norm. | 8 hr. | | | 15 min. | | |
|---------------|-----------|---------------|--------|-----|-------|---------|-----|-------|
| Chemical Name | | | 0111. | ppm | mg/m³ | .5 | ppm | mg/m³ |
| CITRAL | 5392-40-5 | ES (España) 1 | VLA-ED | 5 | | VLA-EC | | |
| | | PL (Polska) | NDS | | 27 | NDSCh | | 54 |

¹ Possibility of significant uptake though 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 theshold: Not determined
PH: Not determined
Melting point/freezing point: Not determined
Boling point/boiling range: Not determined
Flash point: 64 °C

Evaporation rate:

Flammability:

Lower flammability/Explosive limit:

Upper flammability/Explosive limit:

Vapour pressure:

Vapour Density:

Not determined

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.

SAFETY DATA SHEET Conforms to Regulation (EC) No. 1907/2006 (REACH) GERANIUM OIL, EGYPT

Revision date: 20-05-2019 Version: 3.5/CLP/EN

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 | | | |

SAFETY DATA SHEET Conforms to Regulation (EC) No. 1907/2006 (REACH) GERANIUM OIL, EGYPT

Revision date: 20-05-2019 Version: 3.5/CLP/EN

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.



SPECIFICATION SHEET

VERSION 3,00 **VERSION DATE** 26/06/11 **PRINT DATE** 09/12/20

PRODUCT GERANIUM OIL, EGYPT

APPLICATIONS Raw material for industrial use intended for flavours and/or fragrances.

IUPAC NAME GERANIUM OIL

PLANT OF ORIGIN Pelargonium graveolens l'Her

PART OF THE PLANT LEAVES AND STEMS

SYNONYMS

CAS 90082-51-2 CAS 2 8000-46-2 EINECS 290-140-0

FEMA 2508

TARIFF NUMBER 3301294100

REACH REGISTRATION NO. 01-2120769423-50

SPECIFICATIONS

ASPECT AT 20° C CLEAR MOBILE LIQUID COLOUR YELLOW-BROWN

ODOUR FRESH, SWEET, GREEN, HERBAL

TASTE

DENSITY A 20° C (g / ml) 0,884 - 0,901

DENSITY 25/25

REFRACTIVE INDEX nD20 1,4600 - 1,4730

REFRACTIVE INDEX nD25 -

OPTICAL ROTATION (°) -14,00 / -6,00

BOILING POINT (°C)

MELTING POINT (°C)

FLASH POINT (°C) 64,00

ASSAY (% GC)
ACID VALUE (mg KOH/g) < 10

SOLUBILITY INSOLUBLE IN WATER
VAPOUR PRESSURE NOT DETERMINED
OTHER SOLUBILITIES SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.



VEGAN / VEGETARIAN DECLARATION

| Produ | ct: GERANIUM OIL, EGYPT |
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| | |
| | ereby inform that, to the best of our knowledge, the above-mentioned material is suitable for the ing diets: |
| X | Vegan Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or animal derivatives (dairy, egg and bee products) including additives and processing aids. |
| | Vegetarian Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or dairy and egg products, including additives and processing aids. Bee products (e.g. honey, bees wax) are acceptable. |
| | Ovo-Lacto Vegetarian Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc), including additives and processing aids. Dairy, egg and bee products (e.g. honey, bees wax) are acceptable. |
| 'Anim | al' refers to the entire animal kingdom, i.e. vertebrates and multicellular invertebrates. |

The information contained herein is to the best of our knowledge reliable. However, it should be noted that it is the responsibility of the manufacturer of the material containing this ingredient to identify and comply with all relevant legal requirements.

This document is electronically generated and therefore it is not signed.