

In conformity with regulation (EC) No.: 1272/2008 (also called CLP)

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY:

1.1 Product Identifier:

Name	: GERANIUM ESSENTIAL OIL	EC	: 290-140-0
Botanical source	: Pelargonium graveolens L.	IFRA conformity	: yes
INCI name	: Pelargonium graveolens Oil	FEMA	: 2508
CAS TSCA	: 8000-46-2	FDA	: 182.20
CAS EINECS	: 90082-51-2	CN code	: 3301.29.60

1.2 Details Of The Supplier Of The Safety Data Sheet:

EGYPTIAN HERBARIUM, 114, Zakaria Ghoneim Str.- 21321 Alexandria / Egypt Tel: +20 (0)3 5915864
Email: info@egyptianherbarium.com

1.3 Emergency Tel. No.: +20 (0)3 59 15 864

2. HAZARDS IDENTIFICATION:

UN-GHS Classification:

FL4 : Flammable Liquids 4.
AH1 : Aspiration hazard 1.
SCI2 : Skin corrosion / irritation 2.
SS1 : Sensitization skin 1.
ATO5 (4000) : Acute toxicity oral 5.
ED11 : Serious eye damage / eye irritation 1.
EHA2 : Hazardous to the aquatic environment, acute hazard 2.
EHC3 : Hazardous to the aquatic environment, long-term hazard 3.



Hazard Statements:

Signal Word: Danger

Health Hazards:

H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction
H318 : Causes serious eye damage.
H411 : Toxic to aquatic life with long lasting effects.

Precaution Statements:

P261 : Avoid breathing vapor or dust.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P301/310 : If swallowed: Immediately call a Poison Center or doctor/physician.
P305/351/338: If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P501 : Dispose of contents/container in accordance with local/ regional/ national/ International regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS:

NCS (UVCB) Constituents Information

Material	CAS	EINECS	Hazards Symbol	Percent %
Citronellol (Natural)	106-22-9	203-375-0	H315, H317, H319, H401, H411	25.0 – 37.0
Geraniol (Natural)	106-24-1	203-377-1	H315, H317, H318	10.0 -18.0
Linalool (Natural)	78-70-6	201-134-4	H315	4.0 – 8.5
β-Pinene (Natural)	127-91-3	204-872-5	H226, H315, H317, H304, H400, H410	0.0 – 1.0
Limonene (Natural)	5989-27-5	227-813-5	H226, H315, H317, H304, H400, H 410	0.0 – 0.5
Citral (Geranial & Neral) (Natural)	5392-40-5	226-394-6	H315, H317	0.0 – 2.0
α-Pinene (Natural)	80-56-8	201-291-9	H226, H315, H317, H304, H400, H410	0.0 – 1.5
Geranyl acetate (Natural)	105-87-3	203-341-5	H226, H315, H317, H304, H400, H410	1.0 – 5.0
Menthone (Natural)	10458-14-7	233-944-9	H401, H411	0.0 – 2.1

4. FIRST-AID MEASURES:

4.1 Description of first aid measures

Skin contact : Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

Eye contact : Rinse immediately with plenty of water for at least 15 mins. Contact a doctor if symptoms persist.

Ingestion : Rinse mouth out with water and seek medical advice immediately.

Inhalation : Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

Other : When assessing action take Risk & Safety Phrases into account (Section 15)

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media : Use CO₂, Dry Powder or Foam type Extinguishers, spraying recommended extinguishing media to base of flames. Do not use direct water jet on burning material.

5.2 Special measures: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

5.2 Extinguishing procedures: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

Approved by:	QA	Page 2 of 5	Version:	20 Jan 2019
--------------	----	-------------	----------	-------------

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal precautions:** Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.
- 6.2 Environment precautions:** Keep away from drains, soils, surface & ground waters.
- 6.3 Cleaning up methods:** Remove all potential ignition sources. Contain spilled material. Cover for spillages: with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

7. HANDLING AND STORAGE:

- 7.1 Precautions in handling:** Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
- 7.2 Storage conditions:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
- 7.3 Fire protection:** Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION:

- Respiratory protection** : Avoid breathing product vapour. Apply local ventilation where possible.
- Ventilation** : Ensure good ventilation of working area.
- Hand protection** : Avoid all skin contact. Use chemically resistant gloves if required.
- Eye protection** : Use safety glasses.
- Work/Hygiene practices** : Wash hands with soap & water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES:

- Odor** : Sweet, acidified rose like odor, minty.
- Appearance** : Yellow to amber yellow liquid.
- Solubility in water** : Insoluble.
- Solubility in alcohol** : Soluble in 2 ml of 70% ethanol
- Liposolubility** : Liposoluble
- Density @20°C** : 0.860 to 0.905
- Refractive index @20°C** : 1.461 to 1.475
- Optical rotation @20°C** : -14° to -8°
- Acid value** : ≤10
- Ester value** : 31 to 81
- Flashpoint** : >80°C

10. STABILITY AND REACTIVITY:

- 10.1 Reactivity:** It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
- 10.2 Decomposition:** Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.
- 10.3 Conditions to avoid:** Avoid extreme heat.
- 10. Chemical Stability:** Under conditions described in point 7, the product is stable during 2 years (minimum) in an original closed packaging.

11. TOXICOLOGICAL INFORMATION:

Ingestion effect	: DL oral 50 : >5g/kg
Skin contact effect	: DL dermal 50: >5g/kg
Acute Toxicity Inhalation	: Not Available
Skin corrosion/irritation	: Skin Corrosion / Irritation Category 2
Serious eye damage/irritation	: Eye Damage / Irritation Category 1
Respiratory or skin sensitization	: Sensitization - Skin Category 1
Germ cell mutagenicity	: Based on available data the classification criteria are not met.
Carcinogenicity	: Based on available data the classification criteria are not met.
Reproductive toxicity	: Based on available data the classification criteria are not met.
STOT-single exposure	: Based on available data the classification criteria are not met.
STOT-repeated exposure	: Based on available data the classification criteria are not met.
Aspiration hazard	: Based on available data the classification criteria are not met

12. ECOLOGICAL INFORMATION:

12.1 Toxicity:

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability : Not available

12.3 Bioaccumulative potential : Not available

12.4 Mobility in soil : Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects : Not available

12.7 Biodegradability : Data not available

12.8 Precautions : Prevent surface contamination of soil, ground & surface water.

13. DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT REGULATIONS:

14.1 UN number	: UN3082
14.2 UN Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alpha-Pinene, d-Limonene)
14.3 Transport hazard class(es)	: 9
Sub Risk:	-
14.4. Packing Group	: III
14.5 Environmental hazards	: This is an environmentally hazardous substance.
14.6 Special precautions for user	: None additional
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable

15. REGULATORY INFORMATION:

NCSs (UVCBs) Hazard classifications according to CLP regulation

H-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.

P-Statements:

- P262 : Do not get in eyes, on skin, or on clothing.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P301/310 : If swallowed: Immediately call a Poison Center or doctor/physician.
P305/351/338: If in eyes: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P331 : Do not induce vomiting.

16. OTHER INFORMATION:

Abbreviations and acronyms:

- ADR : Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID : Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG : International Maritime Code for Dangerous Goods
IATA : International Air Transport Association
IATA-DGR : Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO : International Civil Aviation Organization
ICAO-TI : Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS : Globally Harmonized System of Classification and Labelling of Chemicals
EINECS : European Inventory of Existing Commercial Chemical Substances
CAS : Chemical Abstracts Service (division of the American Chemical Society)

Disclaimer:

The data provided in this safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.