



Essential Oils, Skincare & Aromatherapy Products

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: **Geranium Oil**

SUPPLIER: Celtic Tree Oils, Carlingford, Co. Louth, Ireland, A91 D86V

PRODUCT NUMBER: **19**

CAS NUMBER: 8000-46-2 / 90082-51-2

EC NUMBER: 290-140-0

INCI: Pelargonium graveolens oil

BIOLOGICAL DEFINITION: The volatile oil obtained by the steam distillation of the flowering herb Pelargonium graveolens grown in Egypt.

2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (EC 1272/2008):

- PHYSICAL HAZARDS: Not classified
- HEALTH HAZARDS: Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Eye Dam. 1 - H318
- ENVIRONMENTAL HAZARDS: Aquatic Chronic 3 - H412

LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

H315: Causes skin irritation
H317: May cause an allergic skin reaction
H318: Causes serious eye damage
H412: Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P501 Dispose of contents in accordance with local, state or national legislation.
P261 Avoid breathing vapours/spray.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

SDS: **19 Geranium Oil**

Compiled by Geoffrey Harris, Quality Control | Date: 09/03/2020 - Version: 4

SUPPLEMENTARY PRECAUTIONARY STATEMENTS: CONTAINS:	P362+P364 Take off contaminated clothing. And wash it before reuse. P302+P352 IF ON SKIN: Wash with plenty of water. P273 Avoid release to the environment. P264 Wash hands and exposed skin thoroughly after handling. P332+P313 If skin irritation occurs: Get medical advice/attention Geraniol
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3: COMPOSITION/INFORMATION ON INGREDIENTS

25 - 43% CITRONELLOL CAS: 106-22-9 CLASSIFICATION (EC 1272/2008)	EC: 203-375-0 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
5.0 - 20% GERANIOL CAS: 106-24-1 CLASSIFICATION (EC 1272/2008)	EC: 203-377-1 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1 H318
2 - 11% LINALOOL CAS 78-70-6, CLASSIFICATION (EC 1272/2008)	EC: 201-134-4 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319
4 – 10% D, L-ISOMENTHONE CAS 491-07-6 CLASSIFICATION (EC 1272/2008)	EC: 207-727-4 Skin Irrit. 2 H315 Skin Sens. 1, H317
<5% CITRAL CAS 5392-40-5 CLASSIFICATION (EC 1272/2008)	EC: 226-394-6 Skin Irrit. 2, H315 Skin Sens. 1, H317
1.0 - <3.0% CIS-ROSE OXIDE CAS 3033-23-6 CLASSIFICATION (EC 1272/2008)	EC: 221-317-9 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361
0.01 – 2.5% MENTHONE CAS No: 10458-14-7 CLASSIFICATION (EC 1272/2008)	EC No: 233-944-9 Skin Irrit. 2, H315 Skin Sens. 1, H317
0.01– 2.0% P-MENTH-1-EN-8-OL CAS No: 98-55-5 CLASSIFICATION (EC 1272/2008)	EC No: 202-680-6 Skin Irrit. 2, H315 Eye Irrit. 2, H319

<1.0% LIMONENE

CAS No: 5989-27-5

CLASSIFICATION (EC 1272/2008)

EC No: 227-813-5

Flam. Liq. 3, H226

Skin Irrit. 2, H315

Skin Sens. 1, H317

Asp. Tox. 1, H304

Aquatic Acute 1, H400

Aquatic Chronic 1, H410

The full text for all hazard statements is displayed in Section 16.

4: FIRST AID MEASURES

INHALATION:	Remove from exposure area to fresh air. Get medical advice/attention.
INGESTION:	Do not induce vomiting. Ingestion may cause nausea and vomiting. Immediately rinse mouth and provide fresh air. Get medical advice/attention if symptoms persist.
SKIN CONTACT:	Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if any discomfort continues.
EYE CONTACT:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical advice/attention. Continue to rinse.
NOTES FOR THE DOCTOR:	Treat symptomatically.

5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA RECOMMENDED:	Use as appropriate: Carbon dioxide (CO ₂), dry chemical or foam.
SPECIAL HAZARDS ARISING FROM THE PRODUCT:	
- UNUSUAL FIRE & EXPLOSION HAZARDS:	Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: <ul style="list-style-type: none">- Carbon monoxide- Carbon dioxide.
- SPECIFIC HAZARDS:	When heated and in case of fire, harmful vapours/gases may be formed.
ADVICE FOR FIREFIGHTERS:	Use supplied air respirator if product is involved in a fire. Wear suitable respiratory equipment when necessary. Wear full protective clothing.

6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	For personal protection, see section 8.
ENVIRONMENT PRECAUTIONS:	No additional data available
CLEANING UP METHODS FOR SPILLAGES:	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7: HANDLING AND STORAGE

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.
SPECIFIC END USES:	No additional data available.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS	No additional data available.
PROTECTIVE EQUIPMENT:	
PROCESS CONDITIONS	No special measures required
ENGINEERING MEASURES	Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT:	Generally unnecessary in a well-ventilated area. If ventilation is insufficient, respiratory protection must be worn.
HAND PROTECTION:	Chemical resistant gloves (PVC).
EYE PROTECTION:	Wear approved safety goggles.
OTHER PROTECTION:	Provide eyewash station and safety shower.
HYGIENE MEASURES:	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Good personal hygiene practices are always advisable, especially when working with chemicals.
PERSONAL PROTECTION:	No additional data available.
SKIN PROTECTION:	Wear protective clothing to reduce the risk of skin contact.
ENVIRONMENTAL EXPOSURE CONTROLS:	No additional data available.

9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Mobile liquid, light yellow to deep yellow
COLOUR:	Light yellow to deep yellow.
ODOUR:	Characteristic - rose like with a minty top note
RELATIVE DENSITY:	Approx. 0.8850 @20°C
FLASH POINT:	>64°C (Closed cup).
REFRACTIVE INDEX:	Approx. 1.468 @20°C
MELTING POINT (°C):	No additional data available.
BOILING POINT (°C):	No additional data available.
VAPOUR PRESSURE:	No additional data available.
SOLUBILITY IN WATER @20°C:	Insoluble in water. Soluble in: Ethanol
AUTO-IGNITION TEMPERATURE (°C):	No additional data available.

10: STABILITY AND REACTIVITY

REACTIVITY:	Stable under normal temperature conditions and recommended use
CHEMICAL STABILITY:	No additional data available
POSSIBLE HAZARDOUS REACTIONS	No additional data available
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
INCOMPATIBLE MATERIALS	Strong acids, strong alkalis, strong oxidising agents, strong reducing agents
HAZARDOUS DECOMPOSITION PRODUCTS	In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides

11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	No additional data available.
SKIN CORROSION / IRRITATION:	Causes skin irritation.
SERIOUS EYE DAMAGE / IRRITATION:	Causes serious eye damage
RESPIRATORY OR SKIN SENSITISATION:	Skin – May cause an allergic skin reaction
GERM CELL MUTAGENICITY:	No additional data available.
CARCINOGENICITY:	No additional data available.
REPRODUCTIVE TOXICITY:	No additional data available.
STOT-SINGLE EXPOSURE:	No additional data available.
STOT-REPEATED EXPOSURE:	No additional data available.
ASPIRATION HAZARD:	No additional data available.
PHOTO-TOXICITY:	No additional data available.
OTHER INFORMATION:	No additional data available.

12: ECOLOGICAL INFORMATION

TOXICITY	Harmful to aquatic life with long lasting effects
PERSISTENCE AND DEGRADABILITY	No additional data available.
BIOACCUMULATIVE POTENTIAL	No additional data available.
MOBILITY IN SOIL	No additional data available.
RESULTS OF PBT AND vPvB ASSESSMENT	No additional data available.
OTHER ADVERSE EFFECTS	No additional data available.

13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:	Regulations for Disposal generally vary according to location. Contact local waste disposal authority for advice or pass to a chemical disposal company. Ensure compliance with local, state and federal regulations.
SPECIAL PRECAUTIONS FOR LANDFILL AND INCINERATION	Waste is suitable for incineration.

14: TRANSPORT INFORMATION

UN No.: Not regulated for transport.
PROPER SHIPPING NAME: Not regulated for transport.
TRANSPORT HAZARD CLASS(ES): Not regulated for transport.
PACKING GROUP: None.
ENVIRONMENTAL HAZARDS: Not applicable.
TRANSPORT IN BULK ACCORDING TO ANNEX II
OF MARPOL73/78 AND THE IBC CODE: Not defined.

15: REGULATORY INFORMATION

STATUTORY INSTRUMENTS: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

EU LEGISLATION: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

APPROVED CODE OF PRACTISE: Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE: CHIP for everyone HSG (108). Workplace Exposure Limits EH40

16: OTHER INFORMATION

HAZARD AND/OR PRECAUTIONARY STATEMENTS IN FULL

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.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Q.C. REQUIREMENTS.

In-line with general product specification. Always satisfy suitability for specific application.

Retest after 6 months.

The data provided in this material 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.