

Safety Data Sheet

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IFI**

IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Geranium Oil Bourbon Organic		
Biological Definition	Pelargonium Graveolens Flower Oil is the volatile oil obtained from the flowers of the Bourbon Geranium, <i>Pelargonium graveolens</i> (L.), Geraniaceae.		
INCI Name	Pelargonium graveolens flower oil		
Synonyms & Trade Names	-		
CAS-No	90082-51-2 / 8000-46-2	EC No.	290-140-0 / -
		EINECS No.	290-140-0 / -

1.2 Relative identified uses of the substance or mixture and uses advised against

No additional data available.

1.3 Details of the supplier of the safety data sheet

1.4 Emergency Tel. No. 01572 820267

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

No additional data available.

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.

Human health Skin Irrit. 2 - H315; Eye Dam. 1 - H318; Skin Sens. 1 - H317; Asp. Tox. 1 - H304

Environment Not classified.

2.2 Label Elements

Label in accordance with (EC) No 1272/2008

GHS07



GHS08



GHS05



Signal Word

Danger.

Contains

Citronellol, GERANIOL, Menthones, pinenes, citral.

Hazard Statements

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.

Precautionary Statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary Precautionary Statements

P272 Contaminated work clothing should not be allowed out of the workplace.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P321 Specific treatment (see medical advice on this label).
P310 Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P332+313 If skin irritation occurs: Get medical advice/attention.
P333+313 If skin irritation or rash occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to ...

2.3 Other Hazards

PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

30-60% Citronellol CAS-No.: 106-22-9 EC No.: 203-375-0

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304

10-30% Geraniol CAS-No.: 106-24-1 EC No.: 203-377-1

Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Dam. 1 - H318, Skin Sens. 1 - H317

5-15% Menthones CAS-No.: 10458-14-7 EC No.: 233-944-9

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Acute Tox. 4 - H302, Eye Irrit. 2 - H319, Skin Sens. 1 - H317, Aquatic Chronic 3 - H412

4-8% Linalool CAS-No.: 78-70-6 EC No.: 201-134-4

Classification (EC 1272/2008) Skin Irrit. 2 - H315

1-3% Citral CAS-No.: 5392-40-5 EC No.: 226-394-6

Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317

1-5% Pinenes CAS-No.: 80-56-8 EC No.: 201-291-9

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304

<1% Limonene CAS-No.: 5989-27-5 EC No.: 227-813-5

Classification (EC 1272/2008) Flam. Liq. 3 - H226, Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Asp. Tox. 1 - H304
Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410

04. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	May cause irritation In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.
Ingestion	Rinse nose, mouth and throat with water. Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.
Skin Contact	May cause irritation to skin. Wash the skin immediately with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye Contact	May cause irritation to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. If symptoms persist seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No additional data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available.

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing media
Water. Use as appropriate: Carbon dioxide (CO₂), dry chemical or foam.

5.2 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: carbon monoxide, carbon dioxide.
Specific hazards
When heated and in case of fire, harmful vapours/gases may be formed..

5.3 Advice for firefighters

Special Fire Fighting Procedures
Use supplied air respirator if product is involved in a fire.
Protective equipment for fire-fighters
Wear suitable respiratory equipment when necessary. Wear full protective clothing.

06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2 Environmental Precautions

No additional data available.

6.3 Methods and material for containment and cleaning up.

Absorb with inert, absorbant material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

No additional data available.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area.

7.2 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.

7.3 Specific end use(s)

No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Linalool (CAS: 78-70-6)

Ingredient Comments

No exposure limits noted for ingredient(s)..

8.2 Exposure controls

Protective Equipment



Process Conditions

No special measures required.

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

Self-contained breathing apparatus.

Hand Protection

Chemical resistant gloves (PVC).

Eye Protection

Wear approved safety goggles.

Other Protection

Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.

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 and eye contact.

Environmental

No additional data available.

Exposure Controls

09. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Mobile oily clear liquid, yellow brown to yellow green
Colour	yellow brown to yellow green
Odour	Characteristic.
Relative Density	0.884 - 0.9021 @20°C
Flash Point (°C)	>64c CC (Closed cup).
Refractive Index	1.459 - 1.473 @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.

9.2 Other information

No additional data available.

10. STABILITY AND REACTIVITY**10. Reactivity**

1

Stable under normal temperature conditions and recommended use.

10. Chemical stability

2

No additional data available.

10. Possible hazardous reactions

3

No additional data available.

10. Conditions to Avoid

4

Avoid heat, flames and other sources of ignition.

10. Incompatible materials

5

Materials To Avoid
Alkaline solution, Oxidising agents, Acids.

10. Hazardous Decomposition Products

6

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXOLOGICAL INFORMATION**11. Information on toxicological effects**

1

Acute Toxicity

There is no data available on this product. It must be considered and handled and should be dealt with the highest possible caution.

Skin corrosion / irritation
Serious eye damage / irritation

May be harmful if absorbed through the skin.
May cause eye irritation.

Respiratory or skin sensitisation

No additional data available.

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	May be harmful if inhaled.
Photo-toxicity	No additional data available.
Other Information	No additional data available.

12. ECOLOGICAL INFORMATION

12.1

Toxicity

No data on possible environmental effects have been found.

12.2

Persistence & degradability

No additional data available.

12.3

Bioaccumulation Potential

No additional data available.

12.4

Mobility in soil

No additional data available.

12.5

Results of PBT and vPvB Assessment

No additional data available.

12.6

Other adverse effects

No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Collect and dispose of waste product at an authorised disposal facility according to local authority guidelines. Product remainders should not intrude soil or waters.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	Not regulate for transport.
UN No. SEA	Not regulate for transport.
UN No. AIR	Not regulate for transport.

14.2 UN proper shipping name

Not subject to ADR regulations.

14.3 Transport hazard class(es)

Not regulate for transport.

14.4 Packing group

None.

14.5 Environmental hazards

No additional data available.

14.6 Special precautions for user

See sections 6 – 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not defined.

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**Statutory Instruments

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

Approved Code of Practise

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

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

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.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H318 Causes serious eye damage. H319 Causes serious eye irritation. H315 Causes skin irritation. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H412 Harmful to aquatic life with long lasting effects. H402 Harmful to aquatic life. H304 May be fatal if swallowed and enters airways. H303 May be harmful if swallowed. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects. H400 Very toxic to aquatic life.
Other Information	None.
Revision Date	28/01/2016
Reason for revision	New SDS
Rev No/Repl, SDS Generated	01

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