

AKÖMA™

FROM THE HEART

MATERIAL SAFETY DATA SHEET

1 - Identification of Product and Supplier

| | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <u>Product Name:</u> | Geranium Essential Oil |
| <u>Biological Definition:</u> | Pelargonium Graveolens Flower Oil is the volatile oil obtained by the steam distillation of the flowering herb Pelargonium Graveolens. |
| <u>INCI Name:</u> | Pelargonium Graveolens Flower Oil |
| <u>Supplier:</u> | Akoma International (UK) LTD Unit 9A Sawley Park Nottingham Road Derby DE21 6AS Tel: +44 (0) 1332 613 967 |
| <u>Emergency Contact:</u> | Mr. Wynn Mensah – Tel: 01332 613 967 |

2 - Hazards identification:

2.1 Classification of the substance or mixture

The Full Text for all Hazard Statements are Displayed in Section 16.

| | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification (EU 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 |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

2.2 Label elements

Label in accordance with Regulation (EC) No 1272/2008

GHS Label:



GHS07

GHS05

Signal word:

Danger

Contains

Geraniol

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

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 dust/fume/gas/mist/vapours/spray.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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.

Supplementary Precautionary Statements: P264 Wash hands and exposed skin thoroughly after handling.
P332+P313 If skin irritation occurs: Get medical advice/attention

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.

3 - Composition and information on ingredients:

3.1 Mixture

<38.0% Citronellol CAS No: 106-22-9 EC No: 203-375-0 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319

<22.0% Geraniol CAS No: 106-24-1 EC No: 203-377-1 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Dam. 1 - H318

<11.0% Linalool CAS No: 78-70-6 EC No: 201-134-4 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317, Eye Irrit. 2 - H319

4.0 – 10.0% d,l-Isomenthone CAS No: 491-07-6 EC No: 207-727-4 Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1 – H317

<4.0% Citral CAS No: 5392-40-5 EC No: 226-394-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Skin Sens. 1 - H317

Akoma International (UK) LTD

Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

2.0 – 5.0% Citronellyl Formate CAS No: 105-85-1 EC No: 203-338-9

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

<3.0% cis-Rose Oxide CAS No: 3033-23-6 EC No: 221-317-9 Classification (EC 1272/2008) Skin Irrit. 2- H315, Eye Irrit. 2 – H319, Repr. 2 – H361 0.01 – 2.5% Menthone CAS No: 10458-14-7 EC No: 233-944-9 Classification (EC 1272/2008) Skin Irrit. 2 – H315, Skin Sens. 1 - H317

0.01– 2.0% p-menth-1-en-8-ol CAS No: 98-55-5 EC No: 202-680-6 Classification (EC 1272/2008) Skin Irrit. 2 - H315, Eye Irrit. 2 - H319

<1.0% beta-Caryophyllene CAS No: 87-44-5 EC No: 201-746-1 Classification (EC 1272/2008) Asp. Tox. 1- H304

<1.0% 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

3.2 Mixtures

Synonyms & Trade Names

| | | | | | |
|-----------------------|----------------|--------|-----------|------------|-----------|
| Internal Product Code | R00175 | EC No. | 290-140-0 | EINECS No. | 290-140-0 |
| CAS-No | 8000-46-2 | | | | |
| REACH Status | Pre-registered | | | | |

4 - First aid measures:

4.1 Description of 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. |
| 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. |

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

Notes for the doctor: Treat symptomatically.

5 - Fire - Fighting measures:

5.1 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 fire-fighters

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.

6 - Accidental release measures:

6.1 Personal precautions

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

6.4 References to other sections.

See sections 8 and 13.

7 - 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.

8 - Exposure controls and 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 data and chemical properties:

9.1 Information on basic physical and chemical properties

| | |
|--------------------------------|-----------------------------------------|
| Appearance | Mobile liquid |
| Colour | Pale yellow to yellow |
| Odour | Characteristic |
| Specific Gravity @ 20°C | 0.860 – 0.905 |
| Flash Point (°C) | >64°C |
| Refractive Index @ 20°C | 1.455 – 1.475 |
| 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:

10.1 Reactivity

Stable under normal temperature conditions and recommended use.

10.2 Chemical stability

No additional data available.

10.3 Possibility of hazardous reactions

No additional data available.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Strong acids, strong alkalis, strong oxidising agents, strong reducing agents.

10.6 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:

11.1 Information on toxicological effects.

| | |
|------------------------------------|---------------------------------------------|
| 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:

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

No additional data available.

12.3 Bio-accumulative 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:

| | |
|-------------------------|------------------------------|
| UN No. Road | Not regulated for transport. |
| UN No. Sea | Not regulated for transport. |
| UN No. Air | Not regulated for transport. |
| UN Proper Shipping Name | |

Not applicable.

| | |
|------------------------------|-------------------------------|
| Transport Hazard Class(es) | Not regulated for transport. |
| Packaging Group | None |
| Environmental Hazards | Not applicable. |
| Special Precautions For User | No additional data available. |

| | |
|-------------------------------------------------------------------------|------------------------------|
| Transport In Bulk According To ANNEX II OF MARPOL73/78 AND THE IBC CODE | No additional data available |
|-------------------------------------------------------------------------|------------------------------|

15 - Regulatory information:

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).

Guidance Notes

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

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.

Chemical safety assessment

No additional information available.

16 - Other information:

| | |
|------------------------------------------------|------------------------------------------------------------------|
| Hazard and/or Precautionary Statements in Full | None |
| Other Information | Complies with REACH guidance for SDS as circulated by ECHA 2011. |
| Version | 1 |
| Revision Date | 1st May 2018 |
| Reason for Revision | New MSDS |

Akoma International (UK) LTD

Unit 9A Sawley Park
Nottingham Road
Derby
DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com

Q.C. REQUIREMENTS

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

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 it's' 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.

Revised: 10/05/2018

AKÖMÄ™
FROM THE HEART

Akoma International (UK) LTD

Unit 9A Sawley Park

Nottingham Road

Derby

DE21 6AS

Tel: +44 (0) 1332 613 967

E-mail: support@akoma.zendesk.com