



**AMPHORA AROMATICS
LIMITED**

essential oils, skincare & aromatherapy products

SAFETY DATA SHEET

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

PRODUCT NAME: Geranium Oil

SUPPLIER: Amphora Aromatics Ltd, 36 Cotham Hill, Cotham, Bristol BS6 6LA

Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 19

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

EC NUMBER: 290-140-0

INCI: Pelargonium graveolens oil

IDENTIFIED USES: Concentrated product used in production of Household, Personal Care Flavour, Fragrances and Aromatherapy

2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE

Aspiration Toxicity (Cat. 1) – H304

2.1.1 CLASSIFICATION ACCORDING TO

Skin Irritation (Cat. 2) – H315

REGULATION (EC) No 1272/2008

Skin Sensitivity (Cat. 1) – H317

[CLP]

Eye Damage (Cat. 1) – H318

Aquatic Chronic (Cat. 3) – H412

2.1.2. CLASSIFICATION ACCORDING TO

R38 – Irritating to skin

DIRECTIVE 67/548/EEC

R41 – Risk of serious damage to eyes

R43 – May cause sensitisation by skin contact

R51 – Toxic to aquatic organisms

R53 – May cause long term adverse effects in the aquatic environment

R65 – Harmful: may cause lung damage if swallowed

2.1.3 OTHER INFORMATION (SYMBOLS)

Xn harmful, Xi irritant, N Dangerous for the environment

2.2 LABEL ELEMENTS

LABELLING ACCORDING TO REGULATION

(EC) No 1272/2008 [CLP]



SIGNAL WORD: DANGER

Warning

Environment

Health Hazard

Corrosion

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

H411: Toxic to aquatic life with long lasting effects



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|---------------------------------|--|
| PRECAUTIONARY STATEMENTS (MAIN) | P273: Avoid release to the environment |
| OTHER PRECAUTIONARY STATEMENTS | P280: Wear protective gloves/clothing/eye-protection/face protection P233: Keep container tightly closed P261: Avoid breathing vapour/spray P264: Wash hands thoroughly after handling P301+P310: If swallowed: immediately call a poison centre or doctor P302 + P352: If on skin, was with plenty of soap and water P305 + P351: If in eyes, rinse cautiously with water for several minutes P331: Do not induce vomiting P338: Remove contact lenses, if present, and easy to do so, Continue rinsing P501: Dispose of contents/containers in accordance with local/national regulations |
| SAFETY PHRASE(S) | S24 – Avoid contact with skin S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S37: Wear suitable gloves S39 – Wear eye/face protection S46 – If swallowed, seek medical advice immediately and show this container or label S61 – Avoid release to the environment. Refer to special instructions / safety data sheet S62 – If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label |
| 2.3 OTHER HAZARDS | Pelargonium graveolens, ext. contains over 10% Hydrocarbons (approximately 12%). Emergency treatment for those who accidentally swallow oils in this category is to seek medical attention |

3: COMPOSITION/INFORMATION ON INGREDIENTS

| | | |
|-----------------------------------|---------------|--|
| 28 - 33% CITRONELLOL | | |
| CAS: 106-22-9 | EC: 203-375-0 | |
| CLASSIFICATION | | Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 |
| 12 - 17% GERANIOL | | |
| CAS: 106-24-1 | EC: 203-377-1 | |
| CLASSIFICATION | | Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1 H318 |
| 5 - 8% CITRONELLYL FORMATE | | |
| CAS 105-85-1 | EC: 203-338-9 | |
| CLASSIFICATION | | Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |

SDS: 19 Geranium Oil

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| 4 - 8% LINALOOL CAS 78-70-6, CLASSIFICATION | EC: 201-134-4 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| 1 – 4% GERANYL FORMATE CAS 105-86-2 | EC: 203-339-4 | Skin Irrit. 2 H315 Eye Irrit. 2, H319 |
| 2 TO 5% (10 EPIGAMMA) EUDESMOL CAS 473-15-4 | EC: 610-334-4 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| 0.5 - 1% CITRAL CAS 5392-40-5 | EC: 226-394-6 | Skin Irrit. 2, H315 Skin Sens. 1, H317 |

4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

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| 4.1.1 GENERAL: | Dependant on the level / type of exposure, small levels can be treated by first aider. Larger contact or if systems persist, seek medical help immediately. |
| 4.1.2 SWALLOWED: | Do not induce vomiting. Give a glass of water. See a doctor immediately. |
| 4.1.3 EYE CONTACT: | Flush eyes with water for 15 minutes. If irritation persists see a doctor. |
| 4.1.4 SKIN CONTACT: | Wash well with water. |
| 4.1.5 INHALATION: | Remove to fresh air. |
| 4.1.6 SELF PROTECTION OF FIRST AIDER | Use personal protective equipment as described in section 8 if substance is present |
| 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED | Stinging sensation |
| 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED | No specific first aid measures noted |

5: FIREFIGHTING MEASURES

| | |
|--|---|
| 5.1 EXTINGUISHING MEDIA | Use foam, dry powder, carbon dioxide or vaporising liquids |
| 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE | May produce fumes of carbon monoxide and carbon dioxide. Moderate explosion hazard when exposed to flame |
| 5.3 ADVICE FOR FIREFIGHTERS | Containers close to fire should be removed or cooled with water Self-contained breathing apparatus and full protective clothing must be worn in case of fire |
| EMERGENCY ACTION CODE | 3[Y] (Foam + BA & Fire Kit) |

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6: ACCIDENTAL RELEASE MEASURES

**6.1 PERSONAL PRECAUTIONS,
PROTECTIVE EQUIPMENT AND
EMERGENCY PROCEDURES**

Wear appropriate protective clothing.
Shut off all sources of ignition

6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto ground

**6.3 METHODS AND MATERIAL FOR
CONTAINMENT AND CLEAN UP**

For small spills, wash area with detergent and water.
For large spills, contain with earth, sand or similar inert absorbent material and both liquids and solids transferred to salvage containers and arrange disposal by disposal

7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid spilling, eye and skin contact
Use only in a well-ventilated area.
Keep away from heat or flame.
Wash area well with hot water and detergent and check for residual vapours with an explosion meter before carrying out maintenance.

**7.2 CONDITIONS FOR SAFE STORAGE,
INCLUDING ANY INCOMPATIBILITIES**

Must be stored and transported in accordance with local regulations for hazardous liquids.
Store in tightly closed container in a dry, cool and well ventilated place. Protect from freezing and direct sunlight.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Not determined

8.2 EXPOSURE CONTROLS



ENGINEERING CONTROLS

Use only in well-ventilated area

PERSONAL PROTECTION EQUIPMENT

Respiratory - None required when used in well-ventilated area. Use approved half face respirator if using undiluted in confined spaces.

Eye - Use safety goggles.

Skin - Use chemical resistant gloves.



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9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------|---|
| APPEARANCE | Clear mobile liquid |
| COLOUR | yellow to greenish yellow |
| ODOUR | characteristic, light rosy leafy |
| RELATIVE DENSITY | @25°C – 0.889 – 0.910 |
| FLASH POINT | 74°C - Closed Cup method |
| SOLUBILITY | Not soluble in water, soluble in alcohol. |
| REFRACTIVE INDEX | 1.460 – 1.472 at 25 °C |

10: STABILITY AND REACTIVITY

10.1 REACTIVITY

10.2 CHEMICAL STABILITY

Product is stable under normal temperature conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Hazardous polymerisation does not occur

10.4 CONDITIONS TO AVOID

Keep away from heat or flame.
Use only in a well-ventilated area.

10.5 INCOMPATIBLE MATERIALS

Oxidising Agents, strong acids, strong alkalis

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

May produce carbon monoxide and carbon dioxide upon decomposition

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (historical data)

Swallowed: Rat (M/F) LD50 5000 mg/kg.
Eye: Severe irritant
Inhalation: Potential irritant
Skin: Acute dermal LD50 in rabbits > 2500 mg/kg
Skin Irritation: Potential irritant.
Skin Sensitivity: contains allergens.
Mutagenicity: Not determined.

12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Fish Toxicity: Species: Toxicity by Daphnia (CE50): 7.60 mg/l/48 hour

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability : regarded as readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL

Not determined

12.4 MOBILITY IN SOIL

Not determined

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

Not determined

12.6 OTHER ADVERSE EFFECTS

Not established



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13: DISPOSAL CONSIDERATIONS

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|---|---|
| DISPOSAL METHODS AND CONTAINERS | 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

| | |
|---|---------------|
| 14.1 UN NUMBER | Not regulated |
| 14.2 UN PROPER SHIPPING NAME | Not regulated |
| 14.3 TRANSPORT HAZARD CLASS | Not regulated |
| 14.4 PACKING GROUP | Not regulated |
| TRANSPORT LABELS | N/A |
| 14.5 ENVIRONMENTAL HAZARDS | See section 2 |
| 14.6 SPECIAL PRECAUTIONS FOR USER | EMS F-A, S-F |
| 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE | N/A |

15: REGULATORY INFORMATION

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|--|---|
| 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716) Classification and Labelling of Substances and Preparations Dangerous for supply |
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16: OTHER INFORMATION

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.