



**AMPHORA AROMATICS  
LIMITED**

**essential oils, skincare & aromatherapy products**

**SAFETY DATA SHEET**

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

PRODUCT NAME: Lemongrass Essential Oil

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

Telephone +44 (0)117-9087770.

PRODUCT NUMBER: 28

CAS NUMBER: 91844-92-7

EC NUMBER: 295-161-9

INCI: Cymbopogon flexuosus oil, Cymbopogon flexuosus herb oil

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

**2: HAZARDS IDENTIFICATION**

**2.1 CLASSIFICATION ACCORDING TO  
REGULATION (EC) No 1272/2008 [CLP]**

Skin Irrit. 2, H315,  
Skin Sens. 1, H317,  
Eye Dam. 1, H318,  
Aquatic Chronic 2, H411

**2.2 LABEL ELEMENTS**

**LABELLING ACCORDING TO REGULATION (EC)  
No 1272/2008 [CLP]**

**HAZARD PICTOGRAMS**



**SIGNAL WORD**

DANGER

**HAZARD STATEMENTS**

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

**PRECAUTIONARY STATEMENTS (PREVENTION)**

P273: Avoid release to the environment  
P280: Wear protective gloves/clothing/eye-protection/face protection  
P262: Do not get in eyes, on skin, or on clothing

**PRECAUTIONARY STATEMENTS (RESPONSE)**

P301 + P310: Immediately call a poison centre or doctor P331: do NOT induce vomiting  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P391: Collect spillage

**PRECAUTIONARY STATEMENTS (STORAGE)**

P233: Keep container tightly closed

**PRECAUTIONARY STATEMENTS (DISPOSAL)**

P501: Dispose of contents/containers in accordance with local/national regulations

**2.3 OTHER HAZARDS**

All essential oils are highly concentrated so have strong aromas and colour that can stain.



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**3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**65 TO 85% CITRAL (NERAL + GERANIAL)**

CAS NUMBER: CAS 5392-40-5	EC NUMBER: EC 226-394-6
CLASSIFICATION	(Citral): Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319

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**1 TO 11% LIMONENE**

CAS NUMBER: 5989-27-5,	EC NUMBER: EC 227-813-5
CLASSIFICATION	Flam Liq 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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**2 TO 10% GERANIOL**

CAS NUMBER: 106-24-1	EC NUMBER: 203-377
CLASSIFICATION	Skin irrit.2, H315 Skin Sens.1, H317 Eye Dam. 1, H318

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**<0.01 TO 6% GERANYL ACETATE**

CAS NUMBER: 105-87-3	EC NUMBER: 203-341-5
CLASSIFICATION	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412

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**0.5 TO 3% BETA-CARYOPHYLLENE**

CAS NUMBER: 87-44-5	EC NUMBER: 201-746-1
CLASSIFICATION	Asp. Tox. 1, H304 Skin Sens. 1B, H317 Aquatic Chronic 4, H413

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**<0.01 TO 3% LINALOOL**

CAS NUMBER: 78-70-6	EC NUMBER: 201-134-4
CLASSIFICATION	Skin Irrit. 2, H317 Skin Sens. 1B, H317 Eye Irrit. 2, H319

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**<0.01 TO 3% DELTA-CADINENE**

CAS NUMBER: CAS 483-76-1	EC NUMBER: Not registered
CLASSIFICATION	N/A

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**<0.01 TO 2% ALPHA-PINENE**

CAS NUMBER: CAS 80-56-8

CLASSIFICATION

EC NUMBER: 201-291-9

Flam. Liq. 3, H226

Acute Tox 4, H302

Asp. Tox. 1, H304

Skin Irrit. 2, H315

Skin Sens. 1, H317

Aquatic Acute, H400

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**<0.01 TO 1.5% CITRONELLOL**

CAS NUMBER: 106-22-9

CLASSIFICATION

EC NUMBER: 203-375-1

Skin Irrit. 2, H315

Skin Sens. 1B, H317

Eye Irrit. 2, H319

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**<0.01 TO 0.5% EUGENOL**

CAS NUMBER: 97-53-0

CLASSIFICATION

EC NUMBER: 202-589-1

Skin Sens. 1B, H317

Eye Irrit. 2, H319

Asp. Tox.1, H304

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**4: FIRST AID MEASURES**

**4.1 DESCRIPTION OF FIRST AID MEASURES**

**4.1.1 GENERAL:**

Depending on the level/type of exposure, small levels can be treated by first aider. Larger contact or if symptoms 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



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**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)

**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 company.

**7: HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid spilling, eye and skin contact.

Use only in a well-ventilated area.

Wash area well with hot water and detergent.

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

Must be stored and transported in accordance with local regulations.

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**

COLOUR	Yellow to brownish.
APPEARANCE	Clear mobile liquid.
ODOUR	Characteristic lemon like odour.
FLASH POINT °C	>71 °C - Pensky Martens Closed Cup method
SPECIFIC GRAVITY @ 20°C:	0.869 to 0.904
REFRACTIVE INDEX @ 20°C	1.478 to 1.500
SOLUBILITY	1 + 3 in 70% ethanol at 20°C, 84.71 mg/l water @25.0 °C
BOILING POINT	224.0°C @ 760.00mm Hg
VAPOUR PRESSURE	0.007 mm/Hg at 25.0 °C

**10: STABILITY AND REACTIVITY**

**10.1 REACTIVITY**

**10.2 CHEMICAL STABILITY**

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

**10.4 CONDITIONS TO AVOID**

**10.5 INCOMPATIBLE MATERIALS**

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Product is stable under normal temperature conditions.  
Hazardous polymerisation does not occur.  
Keep away from heat or flame.  
Use only in a well-ventilated area.  
Oxidising Agents, strong acids, strong alkalis.  
May produce carbon monoxide and carbon dioxide upon decomposition.

**11: TOXICOLOGICAL INFORMATION**

**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

*Oral:* rat LD50 > 5000 mg/kg  
*Eye:* Causes serious eye damage  
*Inhalation:* Not determined, potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.  
*Skin:* rabbit LD50 > 5000 mg/kg  
*Skin Irritation:* Potential irritant  
*Skin Sensitivity:* Mild allergen  
*Mutagenicity:* Not determined  
*Fertility/Reproduction:* Not determined.

**12: ECOLOGICAL INFORMATION**

**12.1 TOXICITY**

**12.2 PERSISTENCE AND DEGRADABILITY**

**12.3 BIOACCUMULATIVE POTENTIAL**

**12.4 MOBILITY IN SOIL**

**12.5 RESULTS OF PBT AND VPVB ASSESSMENT**

**12.6 OTHER ADVERSE EFFECTS**

*Fish Toxicity:* Not determined *Algae acute toxicity:* Not determined *Daphnia acute toxicity:* Not determined  
*Biodegradability :* Lemongrass Oil can be regarded as readily biodegradable.  
Not determined  
Not determined  
Not determined  
Not determined



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**13: DISPOSAL CONSIDERATIONS**

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**

III

TRANSPORT LABELS

None specific

**14.5 ENVIRONMENTAL HAZARDS**

See section 2

**14.6 SPECIAL PRECAUTIONS FOR USER**

Dangerous Goods Note

**14.7 TRANSPORT IN BULK ACCORDING TO ANNEX  
II OF MARPOL73/78 AND THE IBC CODE**

N/A

**15: REGULATORY INFORMATION**

**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)

**15.2 CHEMICAL SAFETY ASSESSMENT**

N/A

**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.