

***Ayanda African Oils abbreviated SDS for website (upon request the full SDS can be made available)**

Safety Data Sheet Lemon grass (Cymbopogon flexuosus)

Description: Lemon grass essential oil is obtained by steam distillation from the organic herb of Cymbopogon flexuosus (Nees ex Steud.) W.Watson (Syn : Andropogon flexuosus Nees ex Steud.).

Physical and Chemical properties	RANGE	RESULTS
Odour	fresh- grassy lemon	
Appearance	Mobile liquid	
Colour	Yellow to a brownish colour	
Specific gravity at 20°C	0.885-0.905	Ayanda African Oils (Pty) Ltd Vat Reg 4040281596 Reg No 2017/655786/07 Windermere Farm PO Box 189, Gingindlovu, 3800 Phone: +27 35 3407008 mat@ayandoils.com
Refractive index at 20°C	1.483 to 1.489	
Optical rotation at 20°C	-4.00° to +1.00°	
Flash point	71 degrees Celsius	

Main Ingredients:	CAS-No	Percentage
Citral (Geranial + Neral)	5392-40-5	60 to 80%
Geranyl Acetate	105-87-3	2 to 8%
Geraniol	106-24-1	2 to 9%





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Technical specifications:

NCS, Natural Complex Substance (100% pure and natural)

EINECS NUMBER: 295-161-9

CAS NUMBER: 8007-02-1

CAS EINECS : 91844-92-7

FMA: 2624

INCI Organic Cymbopogon Flexuosus Herb Oil

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Hazards Identification



GHS07



GHS08



GHS07



GHS09

Transport information:

	Sea (IMDG)	Land (ADR)	Air (IATA)
Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazardous class	9	9	9
UN/ID No	3082	3082	3082
Packing group	III	III	III

Customs rate code 3301 29 49

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Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Handle in accordance with good industrial hygiene and safety practise.

Conditions for safe storage, including any incompatibilities.

Store in cool place, keep container tightly closed in a dry and well-ventilated place. Store away from direct sunlight. Store in stainless steel container, opaque glass container or Fluorinated HDPE container. Air and light sensitive.

Shelf life four years from date of production.

Special indications:

The presence of the following allergen substances in a finished product must be indicated by way of labelling if their respective concentration exceeds 100 ppm in a rinsed product and 10 ppm in a product not rinsed. (7th amendment of Cosmetic Directive European 2003/15/EC)

Present allergens:

Restricted Component	Cas No:	% Level in Product	IFRA Standard
Citral	5392-40-5	< 86%	Restriction Stds (QRA cat.)
Geraniol	106-24-1	< 9%	Restriction Stds (QRA cat.)
Iso Eugenol	97-54-1	< 1%	Restriction Stds (QRA cat.)
Limonene	5989-27-5	< 1%	Specification Stds
Linalool	78-70-6	< 2%	Specification Stds





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Alpha – Pinene	80-56-8	< 1%	
Terpinolene	586-62-9	< 1%	
Beta-Caryophyllene	87-44-5	< 3%	
Lemongrass	8007-02-1	100%	
Geranyl acetate	105-87-3	< 8%	

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First Aid measures

Description of First aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye contact: Wash eyes by normal first aid procedures for at least 15 minutes and consult a physician. If you wear contact lenses, rinse your eyes immediately. The lenses will probably fall out during rinsing. If not, remove them after rinsing. Do not put them back in. If you wear soft contact lenses, throw them away even if new. Hard contact lenses may be used again after proper cleaning by an eyecare professional.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion: Clean mouth with water, call a POISON CENTRE or physician. If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head low down to prevent aspiration into the lungs.

Inhalation: Inhalation may cause coughing, tightness of chest and irritation of the respiratory system. Remove person to ventilated area and follow normal first aid procedures. Perform artificial respiration if breathing has stopped.

Notes to physician: Treat symptomatically

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Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Use alcohol-resistant foam, dry chemical or carbon dioxide. Do not use direct injection of water.

Special hazards arising from the substances or mixtures.

Possible production of toxic fumes under fire.

Unusual fire and Explosion Hazards

None, material is not pyrophoric, does not react with water, not an oxygen donor, material is shock stable.

Advice for fire-fighters

Cool container exposed to the flame with water fog. Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Do not attempt to fight the fire with water, which tends to feed rather than smother the flames.

Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

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Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Small spills can be wiped up with paper rags (placed in closed metal waste container). Large spill: contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Large spills can also be collected with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and placed in metal container for disposal according to local/National regulations.

Contact: Mathias Wessels

This sheet has been updated on the 16 October 2023.

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