

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : Palmarosa oil (1001193)
Revision date : 30.09.2016
Print date : 20.10.2016

Version (Revision) : 13.0.0 (12.0.0)

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Palmarosa oil (1001193)

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

Use of the substance/mixture : Perfumes, Fragrances, Flavouring agents

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms

Corrosion (GHS05) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

GERANIOL (3,7-DIMETHYL-2,6-OCTADIEN-1-OL) ; CAS No. : 106-24-1

TRANS-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL ACETATE ; CAS No. : 105-87-3

3,7,11-TRIMETHYL-2,6,10-DODECATRIEN-1-OL ; CAS No. : 4602-84-0

CITRAL ; CAS No. : 5392-40-5

LIMONENE ; CAS No. : 138-86-3

Hazard statements

H318 Causes serious eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash ... thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P310 Immediately call a POISON CENTER/doctor/....

P321 Specific treatment (see ... on this label).

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P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

Palmarosaöl / Palmarosa oil EINECS/ELINCS: 283-461-2 CAS: 8014-19-5 oder 84649-81-0

3.2 Mixtures

Hazardous ingredients

GERANIOL (3,7-DIMETHYL-2,6-OCTADIEN-1-OL) ; EC No. : 203-377-1; CAS No. : 106-24-1

Weight fraction : $\geq 80 - < 85$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

TRANS-3,7-DIMETHYLOCTA-2,6-DIEN-1-OL ACETATE ; EC No. : 203-341-5; CAS No. : 105-87-3

Weight fraction : $\geq 10 - < 15$ %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Chronic 3 ; H412

LINALOOL (DIMETHYL-1,6-OCTADIEN-3-OL) ; EC No. : 201-134-4; CAS No. : 78-70-6

Weight fraction : $\geq 1 - < 5$ %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

3,7,11-TRIMETHYL-2,6,10-DODECATRIEN-1-OL ; EC No. : 225-004-1; CAS No. : 4602-84-0

Weight fraction : $\geq 1 - < 5$ %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319

CITRAL ; EC No. : 226-394-6; CAS No. : 5392-40-5

Weight fraction : $\geq 0,1 - < 0,5$ %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319

LIMONENE ; EC No. : 205-341-0; CAS No. : 138-86-3

Weight fraction : $\geq 0,1 - < 0,5$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change contaminated, saturated clothing.

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician. In case of skin reactions, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Seek medical advice immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

When in doubt or if symptoms are observed, get medical advice.

SECTION 5: Firefighting measures

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5.1 Extinguishing media

Suitable extinguishing media

Sand Foam Carbon dioxide (CO₂) Dry extinguishing powder

Unsuitable extinguishing media

Water

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely. Remove product from area of fire.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Treat the recovered material as prescribed in the section on waste disposal.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Wear personal protection equipment (refer to section 8). When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product. Use only in well-ventilated areas.

Measures to prevent fire

Take precautionary measures against static discharges. Keep away from sources of ignition. - No smoking.

Additional information

Materials soiled with product such as cleaning rags, tissues and protective clothing, may ignite spontaneously a few hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting self-closing lids.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class (TRGS 510) : 10

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

LIMONENE ; CAS No. : 138-86-3

Limit value type (country of origin) :	TRGS 900 (D)
Limit value :	20 ml/m ³ / 110 mg/m ³
Peak limitation :	2(II)

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Remark : DFG, Sh, Y
Version :

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection goggles

Skin protection

Hand protection

Tested protective gloves must be worn. Wear cotton undermitten if possible. NBR (Nitrile rubber) DIN EN 374

Respiratory protection

Usually no personal respirative protection necessary. Respiratory protection necessary at: dust formation insufficient ventilation

General health and safety measures

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

liquid

Colour : yellow

Odour

characteristic

Safety relevant basis data

Initial boiling point and boiling range :	(1013 hPa)	>	200 °C
Flash point :			93 °C
Vapour pressure :	(50 °C)	<	300 hPa
Density :	(20 °C)		0,88 g/cm ³
Solubility in water:	(20 °C)		practically insoluble
Solubility in other solvent:			soluble in diff. org. solvents
pH-value:			neutral

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Acid Bases

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

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11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg

Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Evidence for disposal must be provided.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe in addition any national regulations!

National regulations

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

The readings in this Material Safety Data Sheet are valid for professional users Depending on kind of use the expeller should keep in mind additional legal regulations if applicable (such as childproof closures, sense of touch symbols, instructions for use, additional precautionary statements or special labelling rules et.al)

16.1 Indication of changes

02. Label elements · 03. Hazardous ingredients

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
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.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.