



SAFETY DATA SHEET

PALMAROSA_OE

Issued on 01/29/2018 - Rel. # 1 on 01/29/2018

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In conformity to Regulation (EU) 2015/830

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

1.1. Product identifier

Product code : PALMAROSA_OE

Trades code : TH_019

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

Sectors of use:

Private households.[SU21]

Product category:

Room fragrance

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

TOP HOUSE S.r.l.

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64032 Atri (TE) - Italy

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Produced by

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1.4. Emergency telephone number

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Centro Antiveleni di Torino: Tel. 011 6637637 - CAV Azienda ospedaliera "S.G.Battista" - Molinette (TO)

Centro Antiveleni di Pavia: Tel. 0382 24444 - CAV IRCCs Fondazione Mugerì (PV)

Centro Antiveleni di Roma: Tel. 06 3054343 - CAV Policlinico Gemelli (RM)

Centro Antiveleni di Napoli: Tel.081 7472870 - CAV Ospedale Cardarelli (NA)

Centro Antiveleni di Genova: Tel. 010 5636245 - CAV Ospedale G. Gaslini (GE)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS05, GHS07

Hazard Class and Category Code(s):



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Skin Sens. 1, Eye Dam. 1, Aquatic Chronic 3

Hazard statement Code(s):

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

The product, if brought into contact with skin can cause skin sensitization.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS05, GHS07 - Danger



Hazard statement Code(s):

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

Prevention

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

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 - IF ON SKIN: Wash with plenty of water.

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.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

Disposal

P501 - Dispose of contents/container according to local law.

Contains:

Cymbopogon Martinii herb oil

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION 3. Composition/information on ingredients



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3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
Cymbopogon Martinii herb oil	100%	Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Chronic 3, H412		8014-19-5	283-461-2	17-2119438 435-38-xxxx

Fractionated global values

H317 = 100,00 H318 = 100,00 H412 = 100,00

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of skin contact:

Remove contaminated clothing immediately.

Wash immediately with plenty of running water and eventually soap the areas of the body that are come into contact with the product, even if only suspicious.

CONSULT A DOCTOR IMMEDIATELY.

In case of eye contact:

Rinse thoroughly for several minutes. Remove any contact lenses if it is easy to do.

Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Skin irritation with possible itching.

Irritation of the eyes.

Nausea, Vomiting.

Irritation of the respiratory tract. Difficult breathing.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5. Firefighting measures



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5.1. Extinguishing media

Suitable extinguishing media:
CO2 (carbon dioxide) or powder extinguisher.

5.2. Special hazards arising from the substance or mixture

Do not inhale the gases produced by the explosion and combustion.
Combustion produces heavy smoke.

5.3. Advice for firefighters

The calorific value is 37000 MJ / kg.
Use appropriate respiratory equipment.
Collect the contaminated water used to extinguish the fire separately. Do not download it on the network sewer.
If it is feasible from a safety point of view, move undamaged containers from the immediate danger area.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke
Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:
Glasses (EN 166: 2001) and gloves.
Mask with ABEK respiratory filter (EN14387), if produced in powder form.
Remove all sources of ignition.
Wear respiratory equipment when exposed to vapors / powders / aerosols.
Provide adequate ventilation.
Move people to a safe place.
Consult the protective measures described in points 7 and 8.

6.2. Environmental precautions

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:
Rapidly recover the product, wear a mask and protective clothing
Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.



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6.3.2 For cleaning up:
After wiping up, wash with water the area and materials involved

6.3.3 Other information:
Wash with plenty of water.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapors and mists.
Use the localized ventilation system.
Do not use empty containers before they have been cleaned.
Before transfer operations make sure that there are no incompatible residues in the containers.
Contaminated clothing must be replaced before access to the dining areas.
At work do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Private households.:
Handle with care.
Store in a ventilated place away from heat sources.
Keep container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

DNEL exposure limit values
Cymbopogon Martinii herb oil (Brasil) - CAS: 8014-19-5
Industrial worker: 136.068 mg / m³ - Consumer: 41.066 mg / m³ - Exposure: Human Inhalation -
Frequency: Long term, systemic effects - Endpoint: Repeated dose toxicity - Notes: QSAR
Industrial worker: 14.664 mg / kg - Consumer: 8.362 mg / kg - Exposure: Human Cutaneous -
Frequency: Long term, systemic effects - Endpoint: Repeated dose toxicity - Notes: QSAR
Consumer: 12.295 mg / kg - Exposure: Human Oral - Frequency: Long term, systemic effects -
Endpoints: Repeated dose toxicity - Notes: QSAR
PNEC exposure limit values
N.A.

8.2. Exposure controls



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Appropriate engineering controls:

Eye protection:

Safety glasses (EN 166: 2001).

Skin protection:

Wear normal clothes that guarantee protection for the skin, e.g. in cotton.

Respiratory protection:

Mask with ABEK respiratory filter (EN14387) if product is in powder form.

Private households.:

No specific control required.

Individual protection measures:

(a) Eye / face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

Use protective gloves that guarantee total protection, eg in PVC, neoprene or rubber.

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	Liquid, clear, from straw to yellow	
Odour	palmarosa, rosata, flowery, sweet,,,,,,,,,,,,,	
Odour threshold	not determined	
pH	7.0 (+/- 0.5)	
Melting point/freezing point	-10 °C	
Initial boiling point and boiling range	not determined	
Flash point	98 °C	
Evaporation rate	not determined	
Flammability (solid, gas)	not determined	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	



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Physical and chemical properties	Value	Determination method
Relative density	0.875 - 0.895 g/ml (20°C)	
Solubility(ies)	not determined	
Water solubility	not determined	
Partition coefficient: n-octanol/water	3.56 logP (20°)	
Auto-ignition temperature	350 °C	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not determined	
Oxidising properties	not determined	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

Nothing in particular.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information



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11.1. Information on toxicological effects

ATE(mix) oral = ∞
ATE(mix) dermal = ∞
ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met
- (b) skin corrosion/irritation based on available data, the classification criteria are not met
- (c) serious eye damage/irritation: If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.
- (d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met
- (f) carcinogenicity: based on available data, the classification criteria are not met
- (g) reproductive toxicity: based on available data, the classification criteria are not met
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met
- (j) aspiration hazard: based on available data, the classification criteria are not met

The toxicological data has been calculated on the complete formulation, taking into account the real concentrations of the individual substances for the purpose of assessing the toxicological effects deriving from exposure of human skin to blend.

NOEL (no observed effect level, human dermal): 11289 µg / cm²

conversion info:

1 µg / cm² = 10 mg / m²

Adults: mg / kg x 37 = mg / m²

Children <20kg: mg / kg x 25 = mg / m² or children > 20kg: mg / kg = µg / cm² x 10/37) *

* data used by HED (human equivalent dose) U.S. Food & Drug Administration. Estimating the Safe Starting Dose in Clinical Trials for Therapeutics in Adult Healthy Volunteers.

The toxicological information regarding the main substances present in the preparation are shown below:

Cymbopogon Martinii herb oil (Brasil) - CAS: 8014-19-5

Oral acute toxicity (OECD Test Guideline 401) - LD50: > 5000 mg / kg

Repeated dose toxicity (OECD Test Guideline 407) - NOAEL: n.a. mg / kg; LOAEL: n.a. mg / kg

Dermal toxicity - human (RIFM-Research Institute for Fragrance Materials or OECD Test Guideline 402):

NOEL (no observed effect level): 11289 µg / cm²

LOEL (lowest observed effect level): n.a. µg / cm²

NESIL (no expected sensitization induction level): n.a. mg / cm²

Skin corrosion / irritation (dermal) (HRIPT): not irritating

Skin sensitization (HRIPT): not sensitizing

Eye: Irritation (ocular) (FHSA): non-irritating

Inhalation toxicity (OECD Test Guideline 403): LC50 n / a mg / m³

Developmental NOAEL maternal: n.a. mg / kg; NOAEL foetal: n.a. mg / kg

Reproductive Toxicity NOAEL: n.a. mg / kg

Genotoxicity (in vivo): negative. Genotoxicity (in vitro): negative

Unless otherwise specified, the data required by Regulation 453/2010 / EC indicated below are to be considered N.A. .:

- a) acute toxicity;
- b) skin corrosion / irritation;
- c) Serious eye damage / irritation;
- d) respiratory or skin sensitization;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) specific target organ toxicity (STOT) - single exposure;
- i) specific target organ toxicity (STOT) - repeated exposure;
- j) danger in case of aspiration.



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SECTION 12. Ecological information

12.1. Toxicity

Use according to good working practices, avoiding to disperse the product in the environment. No it can be disposed of as normal urban waste. Dispose of through specialized waste disposal companies.

Do not use during flowering: the product is toxic to bees.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Cymbopogon Martinii herb oil (Brasil) - CAS: 8014-19-5

Endpoints: LC50 - Species: Fish, Acute Toxicity Test (OECD 203) - Duration h: 96 - mg / l: 31.3626 - Notes: QSAR

Endpoint: EC50 - Species: Daphnia sp. Acute Immobilisation Test (OECD 202) - Duration h: 48 - mg / l: 330.364 - Notes: QSAR

Endpoints: EC50 - Species: Freshwater Alga and Cyanobacteria, Growth Inhibition Test (OECD 201) - Duration h: 72 - mg / l: 61.164 - Notes: QSAR

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure.

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Recover if possible. Send to authorized disposal facilities or incineration in conditions controlled. Operate according to the compliance with the regulation for waste water. Do not disperse environment.

CER code:



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- 070608 - "other funds and reaction residues"
- Danger characteristics for waste:
- HP4 - "Irritating - skin irritation and ocular lesions"
 - HP5 - "Specific target organ toxicity (STOT) / Intake toxicity"

SECTION 14. Transport information

14.1. UN number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION 15. Regulatory information

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

REGULATION (EU) No 1357/2014 - waste:
HP4 - Irritant — skin irritation and eye damage
HP13 - Sensitising

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier



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SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H412 = Harmful to aquatic life with long lasting effects.

Classification based on data of all mixture components

GENERAL BIBLIOGRAPHY:

- Council Regulation (EC) 1907/2006 of the European Parliament (REACH)
- Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent updates
- Council Regulation (EC) no 758/2013 of the European Parliament
- Regulation (EC) no 2015/830 of the European Parliament
- Regulation (EC) No 528/2012 European Parliament and subsequent updates
- Commission Regulation (EC) No 790/2009 of 10 August 2009
- Commission Regulation (EU) No 286/2011 of 10 March 2011
- Commission Regulation (EU) No 618/2012 of 10 July 2012
- Commission Regulation (EU) No 487/2013 of 8 May 2013
- Council Regulation (EU) No 517/2013 of 13 May 2013
- Commission Regulation (EU) No 758/2013 of 7 August 2013
- Commission Regulation (EU) No 944/2013 of 2 October 2013
- Commission Regulation (EU) No 605/2014 of 5 June 2014
- Commission Regulation (EU) 2015/491 of 23 March 2015
- Commission Regulation (EU) No 1297/2014 of 5 December 2014- Council Regulation (EC) 648/2004 of the European Parliament and subsequent updates
- The Merck Index
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty-Industrial Hygiene and Toxicology
- N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

Note to the user:

the information in this tab are based on knowledge available to us on the date of the latest version.

The user must ensure the fitness and completeness of the information in relation to the specific use of the product.

You should not interpret it as a guarantee of any specific property of the product.

For the use of the product does not fall under our direct control, the obligation of the user to observe under their own liability laws and regulations on hygiene and safety. Do not assume liability for improper use.

This tab replaces and cancels all previous