

Material security data sheet

Printed : 20/04/2017

Review : 001NEW-1-CLP du 20/04/2017

MANDARIN GREEN OIL - MANDA0022

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

MANDARIN GREEN OIL - MANDA0022

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

NOT RELEVANT

1.3. Details of the supplier of the safety data sheet



1.4. Emergency telephone number

NOT RELEVANT

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

GHS classification in conformity with directive 1272/2008
(RegulationCLP)

AH1 Aspiration hazard 1
EHC2 Hazardous to the aquatic environment, long-term hazard 2
FL3 Flammable Liquids 3
SCI2 Skin corrosion / irritation 2
SS1A Sensitisation, skin 1A

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.
H411 - Toxic to aquatic life with long lasting effects.

EUH208 - May produce an allergic reaction. : Lemon oil, terpenes, Mandarin oil

Conform with UE 67/548/CEE et 1999/45/CE :

- Physico-chemical Hazards : F-
R10:Flammable.

- Health Hazards : Xn
R38:Irritating to skin.
R43:May cause sensitization by skin contact.
R65:Harmful: May cause lung damage if swallowed.

- Environmental Hazards : N
R51-53:Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

2.2. Label elements

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GHS classification in conformity with directive 1272/2008

(RegulationCLP)

Warning mention : Danger

AH1 Aspiration hazard 1
EHC2 Hazardous to the aquatic environment, long-term hazard 2
FL3 Flammable Liquids 3
SCI2 Skin corrosion / irritation 2
SS1A Sensitisation, skin 1A

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.
H411 - Toxic to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge
P264 - Wash ... thoroughly after handling.

EUH208 - May produce an allergic reaction. : Lemon oil, terpenes, Mandarin oil



Conform with UE 67/548/CEE et 1999/45/CE :

- Physico-chemical Hazards : F-
R10:Flammable

- Health Hazards : Xn
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S61:Avoid release to the environment. Refer to special instructions / Safety data sheets.
S37:Wear suitable gloves.
S60:This material and its container must be disposed of as hazardous waste.
S24:Avoid contact with skin.
S62:If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.



2.3. Other hazards

NOT RELEVANT

3. COMPOSITION / INFORMATION ON INGREDIENT

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Component list :

3.1. Substances

NOT RELEVANT

3.2. Mixtures

Material	C.A.S	EINECS	Risk Symbol	Classification CLP	Percent %
d-Limonene	5989-27-5	227-813-5	F-, N, Xn R10 R38 R43 R50-53 R65	AH1, EHA1, EHC1, FL3, SCI2, SS1B - H226, H304, H315, H317, H400, H410	> à 50 %
Gamma terpinène	99-85-4	202-794-6	F-, Xn R10 R65	AH1, FL3 - H226, H304	[10-20]
beta-Pinene	127-91-3	204-872-5	F-, Xn R10 R38 R43 R65	AH1, FL3, SCI2, SS1B - H226, H304, H315, H317	[5-10]
Myrcene	123-35-3	204-622-5	F-, Xn R10 R38 R65	AH1, EDI2, FL3, SCI2 - H226, H304, H315, H319	[1-5]
alpha-Pinene	80-56-8	201-291-9	F-, Xn R10 R38 R43 R65	AH1, FL3, SCI2, SS1B - H226, H304, H315, H317	[1-5]
Terpinolene	586-62-9	209-578-0	F-, N, Xn R10 R43 R50-53 R65	AH1, EHA1, EHC1, FL3, SS1B - H226, H304, H317, H400, H410	[0-1]
p-Cymene	99-87-6	202-796-7	F-, N, Xn R10 R51-53 R65	AH1, EHC2, FL3 - H226, H304, H411	[0-1]

4. FIRST AID MEASURES

4.1. Description of first aid measures

NOT RELEVANT

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

NOT RELEVANT

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

Contact with skin : wash immediately and abundantly with water and soap. Rinse then with clear water.

Contact with eyes : Abundant rinsing with water (15 minutes open eyelids) then washing with an ocular lotion standard Dacryoserum. In case of disorder, consult an ophtalmologist.

In the event of swallowed : Not make vomit, maintain the patient at rest. Resort to the medical care.

Soiled clothing : withdraw soiled clothing and re-use them only after decontamination.

5. FIRE FIGHTING

5.1. Extinguishing media

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Flammability : The product is flammable..
Prévention: Do not smoke. Do not use flame near.

5.3. Advice for firefighters

Never use a direct stream of water.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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Use appropriate personal protective equipment during clean-up.

6.2. Environmental precautions

Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

NOT RELEVANT

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Close packing after use. Reproduce labelling if transfer in another container.

7.2. Conditions for safe storage, including any incompatibilities

- Avoid any useless exposure. Keep away from food and drinks.
- Preserve only in the container of origin in a fresh place and broken down well. Keep the containers closed out of their use.
- Do not leave it near heat source, direct rays of the sun

7.3. Specific end use(s)

Wash the hands and any other zone exposed with soap and water before eating, drinking, to smoke and before leaving work.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

NOT RELEVANT

8.2. Exposure controls

General protective and hygienic measures: Avoid skin and eyes contact. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Personal Protection :

- Hands protection : Protection not required if a good ventilation is maintained.
- Eyes protection : Protection not required if a good ventilation is maintained.
- Respiratory protection : Protection not required if a good ventilation is maintained.
- Ingestion : Do not use, drink and smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Odor :	fruity, pleasant
Color :	green
Appearance :	liquid
Relative density (d ₂₀ /20) :	[0.840 ; 0.850]
Flash point (C) :	49 C
Refractive index at 20 C :	[1.470 ; 1.478]

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Angularrotation() : [+64 ; +75]

9.2. Other information

NOT RELEVANT

10. STABILITY AND REACTIVITY

10.1. Reactivity

Dangerous reactions : No dangerous reactions known.

10.2. Chemical stability

NOT RELEVANT

10.3. Possibility of hazardous reactions

NOT RELEVANT

10.4. Conditions to avoid

NOT RELEVANT

10.5. Incompatible materials

NOT RELEVANT

10.6. Hazardous decomposition products

Thermal decomposition / conditions to be avoided: Avoid contact with any flame or spark, flame, Overheat. Avoid Direct rays of the sun. No decomposition if used according to specifications.

Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological

Toxicological Information : No data available.

Toxicological Informations Acute :

- **Orale**

Non déterminée

- **Inhalation**

Non déterminée

- **Skin**

Non déterminée

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not leave the product, even diluted or in great quantity, penetrate the ground water, water or the drains.

12.2. Persistence and degradability

NOT RELEVANT

12.3. Bioaccumulative potential

NOT RELEVANT

12.4. Mobility in soil

NOT RELEVANT

12.5. Results of PBT and vPvB assessment

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NOT RELEVANT

12.6. Other adverse effects

NOT RELEVANT

13. DISPOSAL RECOMMENDATIONS

13.1. Waste treatment methods

Product : Recommendation : Does not have to be evacuated with the refuse . Not to let penetrate in the sewers.

Not cleaned packing : Recommendation : Evacuation in accordance with the regulations.

14. TRANSPORT INFORMATION

ADR:



IMDG:



IATA:



14.1. UN number

ADR : 1993 (Tunel code :(D/E))

IMDG:1993

IATA :1993

Custom tariff :

33011920

14.2. UN proper shipping name

ADR : FLAMMABLE LIQUID, N.O.S.(d-Limonene)

IMDG:FLAMMABLE LIQUID, N.O.S.(d-Limonene)

IATA :FLAMMABLE LIQUID, N.O.S.(d-Limonene)

14.3. Transport hazard class(es)

ADR : 3

IMDG:3

IATA :3

14.4. Packing group

ADR : III

IMDG:III

IATA :III

14.5. Environmental hazards

IMDG : NOT RELEVANT

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14.6. Special precautions for user

NOT RELEVANT

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

NOT RELEVANT

15. REGULATORY INFORMATION

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

Class of water contamination (Germany) : WGK 3

15.2. Chemical safety assessment

Contient R43 items Terpinolene, alpha-Pinene, beta-Pinene, d-Limonene . Peut provoquer des allergies.

16. OTHER INFORMATION

Full text of phrases H quoted in point 3 :

- 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.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

Full text of phrases R quoted in point 3 :

- R10 Flammable.
- R65 Harmful: May cause lung damage if swallowed.
- R43 May cause sensitization by skin contact.
- R38 Irritating to skin.
- R51-53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- R50-53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Material security data sheet according to 2001/58/CEE.

These indications are founded on the current state of our knowledge, but do not constitute a guarantee as for the properties of the product and do not give place to a contractual legal report.