

# Material security data sheet

Printed : 02/06/2015

Review : 001NEW-6-GHS du 02/06/2015

## MANDARIN OIL, RED - MANDA0037

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

MANDARIN OIL, RED - MANDA0037

#### 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

Company SAS MATIÈRES PREMIÈRES ESSENTIELLES  
6, chemin St Joseph  
BP 25265  
06131 GRASSE CEDEX  
Tel :04 93 09 19 27  
Fax :04 93 77 89 88  
Web :www.mpe-grasse.fr  
Email :sales@mpe-grasse.fr

#### 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

(RegulationGHS)

AH1 Aspiration hazard 1  
EHA1 Hazardous to the aquatic environment, acute hazard 1  
EHC1 Hazardous to the aquatic environment, long-term hazard 1  
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.  
H400 - Very toxic to aquatic life.  
H410 - Very toxic to aquatic life with long lasting effects.

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  
R50-53:Very 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

(RegulationGHS)

Warning mention : Danger

AH1 Aspiration hazard 1  
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H410 - Very 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.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



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  
R50-53:Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S24:Avoid contact with skin.  
S62:If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
S37:Wear suitable gloves.  
S61:Avoid release to the environment. Refer to special instructions / Safety data sheets.



## 2.3. Other hazards

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**Contains d-Limonene, Gamma terpinène, Myrcene, alpha-Pinene, beta-Pinene, Terpinolene, beta-Caryophyllene Can cause allergies. : Can**

## 3. COMPOSITION / INFORMATION ON INGREDIENT

Component list :

### 3.1. Substances

NOT RELEVANT

### 3.2. Mixtures

Material	C.A.S	EINECS	Risk Symbol	Classification GHS	Percent %
d-Limonene	5989-27-5	227-813-5	F-, N, Xn R10 R38 R43 R50-53 R65	AH1, EHA1, EHC1, FL3, SCI2, SS1B	> à 50 %
Gamma terpinène	99-85-4	202-794-6	F-, Xn R10 R65	AH1, ATO5, FL3, SCI3 - H226, H303, H304, H316	[ 15-20 ]
Myrcene	123-35-3	204-622-5	F-, Xn R10 R38 R65	AH1, EDI2, EDI2A, FL3, SCI2 - H226, H304, H315, H319	[ 1-5 ]
alpha-Pinene	80-56-8	201-291-9	F-, Xn R10 R38 R43 R65	AH1, ATO5, FL3, SCI2, SS1B - H226, H303, H304, H315, H317	[ 1-5 ]
beta-Pinene	127-91-3	204-872-5	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, ATO5, EHA1, EHC1, FL3, SCI3, SS1B - H226, H303, H304, H316, H317, H400, H410	[ 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 ophthalmologist.

**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

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Never use a direct stream of water.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

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

Relative density (d<sub>20</sub>/20) : [0,837 ; 0,857]

Flash point ( C ) : 49 C

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Color : **red**  
Refractive index at 20 C : **[1,470 ; 1,478]**  
Angular rotation ( ) : **[+64 ; +85]**  
Appearance : **liquid**  
Odor : **fruity, pleasant**

## 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

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## 12.3. Bioaccumulative potential

NOT RELEVANT

## 12.4. Mobility in soil

NOT RELEVANT

## 12.5. Results of PBT and vPvB assessment

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 : **33011910**

### 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

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IATA :3

## 14.4. Packing group

ADR : III  
IMDG:III  
IATA :III

## 14.5. Environmental hazards

IMDG : marine pollutant component

## 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

Contains R43 items Terpinolene, alpha-Pinene, beta-Pinene, d-Limonene : Can cause allergic reaction.

## 16. OTHER INFORMATION

Full text of phrases H quoted in point 3 :

H226 Flammable liquid and vapour.  
H303 May be harmful if swallowed  
H304 May be fatal if swallowed and enters airways.  
H316 Causes mild skin irritation

Full text of phrases R quoted in point 3 :

R10 Flammable.  
R38 Irritating to skin.  
R43 May cause sensitization by skin contact.  
R65 Harmful: May cause lung damage if swallowed.  
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.

Modifiedpointslist:2.1 2.2 2.3 3.2 11.1 14 14.2 14.5 15.2 16