

# Material security data sheet

Printed : 04/06/2015

Review : 001NEW-7-GHS du 04/06/2015

## MANDARIN OIL YELLOW - MANDA0028

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

MANDARIN OIL YELLOW - MANDA0028

#### 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  
EHA2 Hazardous to the aquatic environment, acute hazard 2  
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.  
H401 - Toxic to aquatic life  
H411 - 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 :  
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

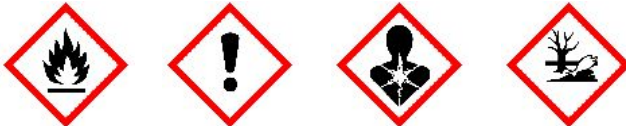
(RegulationGHS)

Warning mention : Danger

AH1 Aspiration hazard 1  
EHA2 Hazardous to the aquatic environment, acute hazard 2  
EHC2 Hazardous to the aquatic environment, long-term hazard 2  
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H401 - Toxic to aquatic life  
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.  
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  
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R43:May cause sensitization by skin contact.  
R65:Harmful: May cause lung damage if swallowed.

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

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



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## 2.3. Other hazards

**Contains d-Limonene, Gamma terpinène, alpha-Pinene, beta-Pinene, Myrcene, Terpinolene, Decanal, beta-Caryophyllene, Citronellal, Nona**

## 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		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 ]
Terpinolene	586-62-9	209-578-0		AH1, ATO5, EHA1, EHC1, FL3, SCI3, SS1B - H226, H303, H304, H316, H317, H400, H410	[ 1-5 ]
alpha-Pinene	80-56-8	201-291-9		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 ]

## 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.

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## 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

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 (d20/20) : **[0,840 ; 0,857]**

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Flash point ( C ) : **49 C**  
Refractive index at 20 C : **[1,470 ; 1,478]**  
Angular rotation ( ) : **[+64 ; +75.]**  
Odor : **fruity, pleasant**  
Color : **orangey**  
Appearance : **liquid**

## 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 ( Tunnel code :(D/E) )

IMDG:1993

IATA :1993

Custom tariff :

**33011920**

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## 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

## 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 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.  
H315 Causes skin irritation.  
H316 Causes mild 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.

Full text of phrases R quoted in point 3 :

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

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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.

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