

## 1. IDENTIFICATION OF THE PRODUCT AND COMPANY

<b>Commercial name</b>	: VERBENA ESSENTIAL OIL 100% pure and natural (Ref:MO) <i>Lippia citriodora</i> Kunth
<b>EINECS number</b>	: 285-515-0
<b>Use</b>	: Aromatic raw material for flavouring use
<b>Supplier</b>	: ALBERT VIEILLE SAS - 629, Route de Grasse - BP 217 - 06227 VALLAURIS / FRANCE Tél 04 93 64 16 72 - Fax 04 93 64 80 07 - email :info@albertvieille.com
<b>Emergency telephone</b>	: N° ORFILA +33 (0)1 45 42 59 59

## 2. HAZARDS IDENTIFICATION

**EC Dir.** : Harmful and dangerous for the environment

Xn(Harmful), N(Dangerous for the environment),R38(Irritating to skin ), R43(May cause sensitisation by skin contact ), R51/53(Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment ), R65(Harmful: may cause lung damage if swallowed ), 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.)

**CLP/GHS** : FL 4, AH 1, SCI 2, SS 1, EH A1, C1

SGH07, SGH08, SGH09, H227(Combustible liquid), H304(May be fatal if swallowed and enters airways), H315(Causes skin irritation), H317(May cause an allergic skin reaction), H410(Very toxic to aquatic life with long lasting effects), P262(Do not get in eyes, on skin, or on clothing), P280(Wear protective gloves/protective clothing/eye protection/face protection), P273(Avoid release to the environment), P301/330/331(IF SWALLOWED: Rinse mouth. Do NOT induce vomiting), P315(Get immediate medical advice/attention), P101(If medical advice is needed, have product container or label at hand)

Danger



## 3. COMPOSITION

Citral	N°CAS : 5392-40-5	N°CE : 226-394-6	<= 20.0%
Xi	R38-43		
SGH07	H227-313-315-317-319-401	ATD 5(2250); SCI 2; SS 1; EH A2; EDI 2A; FL 4	
Limonene	N°CAS : 138-86-3	N°CE : 205-341-0	<= 25.0%
Xi,N	R10-38-43-50/53		
SGH07, SGH08, SGH09, SGH02	H304, 315, 317, 410, 226	AH 1, SCI 2, SS 1B, EH A1,C1, FL 3	
alpha-Terpineol	N°CAS : 98-55-5	N°CE : 202-680-6	<= 2.0%
Xi	R36/38		
SGH07	H227-303-315-319-401	ATO5(4300), SCI2, EDI2A, FL 4, EH A2	
Linalool	N°CAS : 78-70-6	N°CE : 201-134-4	<= 1.0%
Xi	R38		
SGH07	H227-303-315-319-402	ATO 5 (2780), SCI 2, EH A3, EDI 2A, FL 4	
alpha-Pinene	N°CAS : 80-56-8	N°CE : 201-291-9	<= 1.5%
Xn	R(10)-38-43-65		
SGH02, SGH07, SGH08	H226-303-304-315-317	FL 3, ATO 5(3700), SCI 2, SS 1B, AH 1	

beta-Pinene	N°CAS : 127-91-3	N°CE : 204-872-5	<= 0.5%
Xn SGH02, SGH07, SGH08	R(10)-38-43-65 H226-304-315-317	FL 3, SCI 2, SS 1B, AH 1	
Cineol 1.8 (Eucalyptol)	N°CAS : 470-82-6	N°CE : 207-431-5	<= 8.0%
SGH02	R10 H226-303-316	FL 3, ATO 5(2480), SCI 3	
Methylheptenone (isomer unspecified)	N°CAS : 409-02-9	N°CE : 206-990-2	<= 4.0%
Xi SGH07	R38-43 H303, 316, 319	ATO 5(4100); ATD NC; ATI ND; SCI 3; EDI 2A	

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#### 4. FIRST-AID MEASURES

<b>Inhalation</b>	: Remove affected person to fresh air. In case of breathing difficulty, seek medical advice
<b>Eye contact</b>	: Flush with plenty of water for at least 15 min. Seek medical advice if symptoms persist
<b>Skin contact</b>	: Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.
<b>Ingestion</b>	: Rinse mouth out with water and seek medical advice immediately. Do not vomit.

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#### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media recommended</b>	: Foam, carbon dioxide or dry chemical
<b>Non recommended</b>	: Direct waterjet
<b>Special precautions</b>	: Toxic vapours must be avoid during fire. Respiratory protection should be released during fire. Containers close to the fire should be cooled with a water spray.

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#### 6. ACCIDENTAL RELEASE MEASURES

<b>Individual protection</b>	: Avoid eye and skin contact. Don't smoke. Prevent any contact with hot surfaces. (see rubric 8)
<b>Environment protection</b>	: Keep away from drains, soil, surface and groundwater
<b>Methods for cleaning up</b>	: Contain spilled material, cover with an inert, noncombustible, inorganic, absorbent material and destroy according to the regulation in force.

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#### 7. HANDLING AND STORAGE

<b>Handling</b>	: Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Use individual protective equipment. Do not drink, eat or smoke while handling.
<b>Storage</b>	: Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container
<b>Shelf life</b>	: 12 months from despatching date on, under normal storage conditions

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#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Respiratory protection</b>	: Avoid to breath directly on the product. Ensure a good ventilation of the workroom
<b>Eye protection</b>	: Use safety glasses
<b>Hand protection</b>	: Use protective gloves
<b>Skin protection</b>	: Use protective clothing

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquide at room temperature
Colour	: Yellow to ambered yellow
Odour	: Fresh, citral note
Flash point in °C (closed cup)	: +74°
Specific gravity at 20°C	: 0.886 to 0.920
Refractive index at 20°C	: 1.475 to 1.495
Optical rotation at 20°C	: -26° to -12,5°
Solubility	: Soluble in ethanol

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## 10. STABILITY AND REACTIVITY

Stability	: No significant modifications in storage conditions (see rubric 7).
Reactivity	: No significant reactivity hazards in use conditions (see rubric 7).
Conditions to avoid	: High temperature and heat sources.
Products to avoid	: Avoid contacts with strong acids, alkali or oxidizing agents.

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## 11. TOXICOLOGICAL INFORMATIONS

☞ Source RIFM

Effect by ingestion ☞	: LD50 for the rat > 5000 mg/kg
Effect by skin contact ☞	: LD50 for the rabbit > 5000 mg/kg
CMR naturally present	: Toluene < 0.01% (REPRO 3)
Residual solvent(s)	: not applicable
Cosmetics Allergens (76/768/EEC)	: Certificate on request
IFRA restrictions	: Lippia citriodora (Kunth) oil is prohibited by IFRA.
Flavouring legislation	: Flavouring preparation (88/388/EEC Directive)

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## 12. ECOLOGICAL INFORMATIONS

Prevent contamination of soil, ground and surfacewater. Biodegradability not determined.

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## 13. ELIMINATION CONSIDERATIONS

In accordance with local environmental laws. Avoid disposing into drainage systems and into the environment.

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## 14. TRANSPORT REGULATION

Customs code	: 33012941
Transport	: UN 3082 Environmentally hazardous substance, liquid, n.o.s.

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## 15. REGULATORY INFORMATIONS

### Regulations specific for the substance or mixture:

not available data

### Chemical safety assessment:

not available data

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## 16. OTHER INFORMATION

The information in this safety data sheet is based on the properties of the material known to ALBERT VIEILLE SAS at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances under which it is packaged, stored or applied in the workplace. For such safety assessment ALBERT VIEILLE SAS holds no responsibility. This document is not intended for quality insurance purposes.

Last modification : \* Update SGH/CLP