

**WHITE VERBENA ESSENTIAL OIL**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Product Name WHITE VERBENA ESSENTIAL OIL  
 Substance name *Lippia alba* (Mill.) N.E.Br. ex Britton & P.Wilson  
 CAS No. NA  
 EC No. NA  
 REACH Registration No. Exempt: tonnage band under 1 ton/year

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

Identified Use(s) Raw material for industry  
 Cosmetic products, detergents  
 Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Supplier  
 Company Identification Scents From Nature - Natural Essential Oils Company, Lda  
 Address of Manufacturer Zona Industrial da Ladeira da Calça, Lote 1  
 Postal code 3260-305 Figueiró dos Vinhos, Portugal  
 Telephone: (+351) 236 551 093  
 E-mail Info@SCENTSNATURE.com

**1.4 Emergency telephone number**

National response centre  
 Address Centro de Informação Antivenenos (CIAV)  
 INEM – Instituto Nacional de Emergência Médica,  
 Rua Almirante Barroso, 36,  
 1000 – 013 LISBOA, Portugal.  
 Emergency Phone No. 800 250 250

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 3 H226  
 Asp. Tox. 1 H304  
 Skin Irrit. 2 H315  
 Skin Sens. 1 H317  
 Aquatic Acute 1 H400  
 Aquatic Chronic 1 H410  
 Eye Irrit. 2 H319  
 Aquatic Chronic 3 H412

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)  
 Product Name WHITE VERBENA ESSENTIAL OIL  
 Substance name *Lippia alba* (Mill.) N.E.Br. ex

Britton & P.Wilson

Hazard Pictogram(s)



GHS02

GHS08

GHS07

GHS09

Signal Word(s)

Danger

Hazard Statement(s)

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.  
 H319 Causes serious eye irritation  
 H412 – Harmful to aquatic life with long lasting effects.

**WHITE VERBENA ESSENTIAL OIL****Precautionary Statement(s)**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264: Wash parts of the body (as specified by manufacturer/supplier) in contact with substance thoroughly after handling  
P260: do not breathe the dust, fume, gas, mist, vapours or spray; use explosion-proof equipment (electrical/ventilating/lighting/etc.)  
P261: avoid breathing the dust, fume, gas, mist, vapours or spray; do not eat, drink or smoke when using this product  
P271: Use only outdoors or in a well-ventilated area  
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing as specified by manufacturer/supplier.

**Response(s)**

P273: Avoid release to the environment.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.  
P362, Take off contaminated clothing.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 If skin irritation or rash occurs: Get medical advice /attention.  
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.  
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage**

P405 Store locked up.  
P501 The substance must be disposed in accordance with local/regional/national/international regulation.

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**2.3 Other hazards**

None known.

**2.4 Additional Information**

For full text of H/P Statements see section 16.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Lippia alba ext.	NA	NA	100	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Eye Irrit. 2 H319 Aquatic Chronic 3 H412	GHS02 GHS08 GHS07 GHS09

Major constituents of the substance contributing to the classification:

INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Camphor	8008-51-3	616-922-7	16-18%	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS02 GHS08 GHS07 GHS09
Citral	5392-40-5	226-394-6	24-29%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319	GHS07
Limonene	5989-27-5	227-813-5	14-16%	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Skin Irrit. 2 H315 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 3 H412	GHS02 GHS08 GHS07 GHS09

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	After inhalation: Supply fresh air. If symptoms are experienced, get medical attention. In case of unconsciousness place patient stably in side position for transportation.
Skin Contact	Immediately rinse with plenty of water. Get medical attention if irritation or skin rash occurs. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye Contact	Immediately rinse with plenty of water. Remove contact lenses if present and easy to do. Hold eyelids apart and flush eyes with plenty of cool low-pressure water for several minutes. Get medical attention if irritation persists.
Ingestion	Do NOT induce vomiting. If person is conscious, rinse out mouth with water. Immediately call a doctor/physician.

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

No further details.

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



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Remove contaminated clothing. Remove affected person from danger area. First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Show container, label and/or safety data sheet to physician.

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**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable Extinguishing media Use dry powder, foam or carbon dioxide to extinguish.  
Unsuitable extinguishing media Water jet spray

**5.2 Special hazards arising from the substance or mixture**  
na

**5.3 Advice for firefighters**

Do not attempt to fight the fire with water, which tends to feed rather than smother the flames.  
Small fires can be smothered by covering with earth, sand or a blanket.  
Wear self-contained breathing apparatus and chemical-protective clothing.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid skin and eye contact. product. Ventilate well spilling area. Keep away from sources of ignition. Ensure thorough ventilation of stores and work areas.

**6.2 Environmental precautions**

Avoid dispose into drainage, sewer system or in any natural environment.  
Dispose binding material, cloths and sponges according to the national law.

**6.3 Methods and material for containment and cleaning up**

Measures for cleaning/collecting:  
Small spills : Absorb spilled liquid with inert absorbent. Collect and seal in an appropriate container properly labelled for disposal.  
Large spills : Stop spill if it can be done without danger. Dike. Pump as much liquid as possible with an explosion-proof pump or a hand pump. Absorb the remaining liquid with inert absorbent. Collect and seal in an appropriate container properly labelled for disposal. Use only non-sparking tools.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Ventilate the storage and preparation warehouse/laboratory. Avoid eating, drinking and smoking in the places where products are stored and treated. Manipulate with caution to avoid any projection particularly in eyes and on mucous membranes. Do not expose vapors to the flame or quite other source of ignition. Do not inhale warm vapors.

**7.2 Conditions for safe storage, including any incompatibilities**

It is recommended to keep the product in a water-tight and air-tight container. Keep away from heat and sources of ignition. Store in a cool and good ventilated area.  
Store locked up.

Storage life

Stable under normal conditions.

Incompatible materials

Avoid contact with strong acids and strong oxidizing agents.

**7.3 Specific end use(s)**

Not known.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment

Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



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Respiratory protection A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Colour	Yellow
Odour	Strong and citric
Melting point/freezing point	Not determined
Boiling point or initial boiling point and boiling range	Not determined
Refractive index	1.44 – 1.49 (20°C)
Lower and upper explosion limit	Not known.
Flash Point	Not known
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Na
Optical rotation	-3 a +10°
Solubility	Solubility (Water): Insoluble Solubility (Ethanol): Soluble.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	0.872 - 0.910
Relative vapour density	Not known.
Particle characteristics	Not known.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

None anticipated.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

Do not expose to high temperature or ignition

**10.5 Incompatible materials**

Avoid flammable materials, PVC. Certain plastics and elastomers may not be compatible with the product. Test or get manufacturers recommendation prior to use.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known in proper storage conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

<b>Acute toxicity</b>	Harmful if swallowed.
<b>Skin corrosion/irritation</b>	Causes skin irritation. May cause na allergic skin reaction
<b>Serious eye damage/irritation</b>	Causes serious eye damage/ eye irritation.
<b>Carcinogenicity</b>	Based on the data available, the criteria for classification are not met.
<b>Reproductive toxicity</b>	Based on the data available, the criteria for classification are not met.
<b>STOT-single exposure</b>	Based on the data available, the criteria for classification are not met.
<b>STOT-repeated exposure</b>	Based on the data available, the criteria for classification are not met.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.



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**WHITE VERBENA ESSENTIAL OIL****11.2 Information on other hazards**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Very toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates

Not known.

Toxicity - Fish

Not known.

Toxicity - Algae

Not known.

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

**12.2 Persistence and degradability**

Citral – Readily biodegradable.

**12.3 Bioaccumulative potential**

Not known.

**12.4 Mobility in soil**

Not known.

**12.5 Results of PBT and vPvB assessment**

Not known.

**12.6 Endocrine disrupting properties**

None known.

**12.7 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Waste should be recycled or disposed of according to the legislation in force, preferably by an approved recycling or waste treatment company.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION****14.1 UN number or ID number**

UN No. 1169

**14.2 UN proper shipping name**

UN proper shipping name EXTRACTS, AROMATIC, LIQUID

**14.3 Transport hazard class(es)**

ADR/RID

ADR/RID Class 3

ADR Classification Code F1

Special Provisions 601

Limited Quantities 5 L

Excepted Quantities E1

Emergency Action Code 3Y

Mixed Packing Instructions for Packages P001 IBC03 LP01 R001

Special Packing Provisions for Packages

Mixed Packing Instructions for Packages MP19

Packing Instructions for Portable Tanks T2

Special Provisions for Portable Tanks TP1

Tank Code for Tanks LGBF

Special Provisions for Tanks

Vehicle for Tank Carriage FL

ADR Transport Category 3

Tunnel Restriction Code D/E

Special Provisions for Carriage - Packages V12

Special Provisions for Carriage - Bulk



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Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2
ADR HIN	30
IMDG	
IMDG Class	3
Special Provisions	601
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	
Packing Instructions for Portable Tanks	T2
Special Provisions for Portable Tanks	TP1
IMDG EMS	F-E, S-D
Storage and Handling	Category A
Segregation	
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	EXTRACTS, AROMATIC, LIQUID
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y344
Passenger and Cargo Aircraft Limited Quantities Max net Qty	10L
Passenger and Cargo Aircraft Packing Instructions	355
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	366
Cargo Aircraft Max net Qty	220L
Special Provisions	A3
Emergency Response Guidebook (ERG) Code	3L
Labels	
Labels	3

**14.4 Packing group**

Packing group III

**14.5 Environmental hazards**

Environmental hazards Classified as a Marine Pollutant.

**14.6 Special precautions for user**

Special precautions for user Not known.

**14.7 Maritime transport in bulk according to IMO instruments**

No information available

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed



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Not known

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Other  
**15.2 Chemical Safety Assessment**

Not known.

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

Hazard Pictogram(s)



GHS02



GHS08



GHS07



GHS09

GHS09: GHS: Environment

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container

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ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP)  
data used to compile the SDS  
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