

**Material safety data sheet**  
According to EU Regulation 1907/2006 in the current version  
**VETIVER PURE ESSENTIAL OIL**

## 1. Identification of the substance/mixture and company

Trade name:	Vetiver Pure Essential Oil, 100% pure and natural
INCI	Vetiveria Zizanoides Root Oil
CAS No. :	8016-96-4 / 84238-29-9
EINECS/EC No. :	282-490-8
REACH pre-registration No. :	Exempted because importation < 1t / year / legal entity
Utilization:	Raw material for cosmetic or professional use
Supplier company identification:	Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania Tel/Fax: +40259-436.755, <a href="http://www.ellemental.com">www.ellemental.com</a>
Emergency:	RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București. International emergency number: +49 180 2273-112

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous to health or environment according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard statements

Void

Labelling according to EU guidelines:

The product is not subject to identification regulations under EU Directives

Other hazard information: None.

### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 3. Declaration of ingredients

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**3.1 Substances**

Not regulated as per GHS

**3.2 Mixtures not concerned**

**4. First aid measures**

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**4.1 Description of first aid measures**

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaint.

After skin contact: Wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Seek immediate medical advice.

Information for doctor: No further relevant information available.

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

No further relevant information available.

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

No further relevant information available.

**5. Fire fighting measures**

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**5.1 Extinguishing media**

Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

No further relevant information available.

**5.3 Advice for firefighters**

No special measures required. Never use a direct stream of water.

Protective equipment: No special measures required.

**6. Accidental release measures**

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

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

**6.2 Environmental precautions**

Do not allow product to reach sewage system or any water course. Do not allow to enter sewers/ surface or ground water.

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

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

Pick up mechanically. Ensure adequate ventilation.

**7. Handling and storage**

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**7.1 Precautions for safe handling**

No special measures required. Close packing after use. Reproduce labelling if transfer in another container.

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke. No special measures required.

**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 sunrays

**7.3 Specific end use(s)**

No further relevant information available.

**8. Exposure controls / personal protection**

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**8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**8.2 Exposure controls**

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands: Protective gloves

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Safety glasses

Body protection: Protective work clothing

**9. Physical and chemical properties**

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Form: Viscous liquid

Colour: Yellow brown

Odour: Characteristic, woody, earthy

Angular rotation at 20°C (°) : [+10 ; +50]

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Refractive index at 20°C : [1.515 ; 1.530]  
Relative density at 20°C : [0.960 ; 1.020]  
Flash point (°C) : +100  
Vapour density Not determined.  
Solubility in / Miscibility with water: Insoluble.

## **10. Stability and reactivity**

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### **10.1 Reactivity**

Stable, in normal usage conditions. No dangerous reactions known

### **10.2 Chemical stability**

Stable. Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.

### **10.3 Possibility of hazardous reactions**

No dangerous reactions known.

### **10.4 Conditions to avoid**

No further relevant information available.

### **10.5 Incompatible materials**

No further relevant information available.

### **10.6 Hazardous decomposition products**

No decomposition if used according to specifications

## **11. Toxicological information**

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### **11.1 Summary**

Toxicological Information : No data available.

Toxicological Informations Acute :

Orale

Not classified

Inhalation

Not determined

Skin

Not determined

## **12. Ecological information**

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### **12.1 Summary**

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

12.2. Persistence and degradability

NO CONCERNED

12.3. Bioaccumulative potential

NO CONCERNED

12.4. Mobility in soil

NO CONCERNED

12.5. Results of PBT and vPvB assessment

NO CONCERNED

12.6. Endocrine disrupting properties

12.7. Other adverse effects NO CONCERNED

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**13. Disposal considerations**

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.

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**14. Transport information**

Land transport ADR/RID (cross-border)

Not regulated.

Maritime transport IMDG:

Not regulated.

Air transport ICAO-TI and IATA-DGR:

Not regulated.

Environmental hazards:

Not applicable.

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

Not applicable

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**15. Regulatory information**

The product is not classified.

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

Class of water contamination (Germany) : WGK.

15.2. Chemical safety assessment

NO CONCERNED

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**16. Additional information**

**16.1 Abbreviations**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service (division of the American Chemical Society).  
CLP: Classification, Labeling, Packaging.  
DNEL: Derived No Effect Level.  
EINECS: European Inventory of Existing Commercial Chemical Substances.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IATA: International Air Transport Association.  
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
ICAO: International Civil Aviation Organization.  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
LTE: Long-term exposure.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STE: Short-term exposure.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.

**DECLARATION OF ALLERGENS**

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-

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Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	2.0000
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	2.0000
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	-
Methyl heptine carbonate	12/06/11	-
Methyleugenol	93-15-2	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

**Disclaimer:**

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.