



**PHOENIX**

# Safety Data Sheet

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Product code** VET0007  
**Product name** VETIVERT OIL JAVA

**Issue date** 24-Apr-2015

**Revision date** 17-Jan-2020

**Version** 3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

**Product code** VET0007  
*Product name* VETIVERT OIL JAVA

**EC No.** 282-490-8  
**CAS No** 8016-96-4 / 84238-29-9  
**Chemical Name** Vetiveria zizanioides  
**Pure substance/mixture** Substance  
Contains Vetivert Oil, alpha-Vetivone, beta-Vetivone, Isoeugenol

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

**Sold to the general public?** No  
**Recommended Use** Industry Use

**Uses advised against** No information available

### 1.3. Details of the supplier of the safety data sheet

#### **Supplier**

Phoenix Aromas Europe Ltd.  
Unit 2A Wyncolls Road  
Severells Business Park  
Colchester, Essex  
CO4 9HU  
Tel: (+44) 208 532 1022

For further information, please contact

**Contact Point** Fred Wise  
**E-mail address** fwise@phoenixaromas.com

### 1.4. Emergency telephone number

Emergency telephone CHEMTREC

**Emergency telephone - +1-703-741-5970**

**Europe** CCN# 17256

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1A - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

**2.2. Label Elements****Product identifier**

Contains Vetivert Oil, alpha-Vetivone, beta-Vetivone, Isoeugenol

**Signal word**

Warning

**Hazard statements**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements**

P321 - Specific treatment (see .? on this label)

P280 - Wear eye protection/ face protection

**2.3. Other Hazards**

H401 - Toxic to aquatic life

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
alpha-Vetivone	Present	15764-04-2	1 - <10	Skin Sens. 1B (H317) (ECHA)	No data available
beta-Vetivone	-	18444-79-6	1 - <10	Skin Sens. 1B (H317) (ECHA)	No data available
Isoeugenol	Present	97-54-1	0.1 - <1	Aquatic Acute 2 (H401) (ECHA) Skin Sens. 1 (H317) (ECHA) Eye Irrit. 2 (H319) (ECHA) Skin Irrit. 2 (H315) (ECHA) Acute Tox. 4 (H302) (ECHA) Acute Tox. 4 (H312)(ECHA)Acute Tox. 4 (H332)(ECHA)STOT SE 3(H335)(ECHA)	No data available

Full text of H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention. Clean mouth with water and drink afterwards plenty of water. Call a physician. Do NOT induce vomiting.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

### 4.2. Most important symptoms and effects, both acute and delayed

**Symptoms** None known.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Use CO<sub>2</sub>, dry chemical, or foam Use Dry chemical Carbon dioxide (CO<sub>2</sub>) Water spray (fog) Alcohol resistant foam

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire

### 5.2. Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition Risk of ignition

**Hazardous combustion products** Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## SECTION 6: Accidental release measures

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

**Personal precautions**

Avoid contact with skin, eyes and inhalation of vapors. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment as required.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

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

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up**

Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

**6.4. Reference to other sections**

See Section 12: ECOLOGICAL INFORMATION.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

**General hygiene considerations**

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

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

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep in properly labeled containers. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat.

**7.3. Specific end use(s)****Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration** No information available

(PNEC)

**8.2. Exposure controls****Engineering controls**

Showers  
 Eyewash stations  
 Ventilation systems  
 Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment****Eye/Face Protection**

Avoid contact with eyes. Wear safety glasses with side shields (or goggles). Tight sealing safety goggles.

**Hand protection**

Wear protective nitrile rubber gloves.

**Skin and Body Protection**

Suitable protective clothing. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate. Antistatic footwear. Gloves made of plastic or rubber.

**Respiratory protection**

Ensure adequate ventilation, especially in confined areas. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls**

Do not allow into any sewer, on the ground or into any body of water.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state**

Liquid

**Appearance**

Clear

**Odor**

Characteristic Odor

**Color**

Reddish Brown to Dark Reddish Brown

**Odor threshold**

Not applicable

**Property****Values****Remarks • Method****pH****Melting point / freezing point****Boiling point / boiling range****Flash Point**

&gt; 119 °C / &gt; 212 °F

**Evaporation Rate****Flammability (solid, gas)****Flammability Limit in Air**

Upper flammability limit:

Lower flammability limit:

**Vapor pressure****Vapor Density****Specific gravity****Water solubility****solubility(ies)****Partition coefficient****Autoignition Temperature****Decomposition temperature****Kinematic viscosity****Dynamic viscosity****Explosive properties**

Not an explosive

**Oxidizing properties**

Not oxidising

**9.2. Other information****Molecular weight**

Not applicable

**VOC content (%)**

0.015

**Density**

Not applicable

**Bulk Density**

Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

**10.2. Chemical stability**

Stable under recommended storage conditions.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

**10.3. Possibility of hazardous reactions****Possibility of Hazardous Reactions**

None under normal processing.

**10.4. Conditions to avoid**

Extremes of temperature and direct sunlight. Heat, flames and sparks.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

None under normal use conditions.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity****Product Information****Inhalation**

Avoid breathing vapors or mists.

**Eye Contact**

Avoid contact with eyes. Causes serious eye irritation.

**Skin contact**

Avoid contact with skin. Causes skin irritation. May cause sensitization by skin contact.

**Ingestion**

No known hazard by swallowing.

**The following values are calculated based on chapter 3.1 of the GHS document**

115 % of the mixture consists of ingredient(s) of unknown toxicity.

115 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

115 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

115 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

115 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

115 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isoeugenol	1,500 mg/kg ( Rat )	1,900 mg/kg (rabbit)	

**Skin corrosion/irritation**

Irritating to skin.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Sensitization**

May cause sensitization by skin contact.

**Germ cell mutagenicity**

Not classified.

<b>Carcinogenicity</b>	Not classified.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards above the threshold value.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects  
15.0155 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

**Mobility in soil**  
No information available

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Waste from Residues/Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container. Improper disposal or reuse of this container may be dangerous and illegal.

## SECTION 14: Transport information

### IMDG

<b>14.1 UN/ID no</b>	3082
<b>14.2 Proper Shipping Name</b>	Environmentally Hazardous Substance, liquid n.o.s.
<b>14.3 Hazard Class</b>	9
<b>14.4 Packing group</b>	III

**Description** (Vetiveria zizandioides oil)  
**14.5 Marine pollutant** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

**Environmental hazard** Yes  
**14.6 Special Provisions** None

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** No information available

**RID**

**14.1 UN/ID no** 3082  
**14.2 Proper Shipping Name** Environmentally Hazardous Substance, liquid n.o.s.

**14.3 Hazard Class** 9

**14.4 Packing group** III

**Description** (Vetiveria zizandioides oil)

**14.5 Environmental hazard** Yes

**14.6 Special Provisions** None

**ADR**

**14.1 UN/ID no** 3082  
**14.2 Proper Shipping Name** Environmentally Hazardous Substance, liquid n.o.s.

**14.3 Hazard Class** 9

**14.4 Packing group** III

**Description** (Vetiveria zizandioides oil)

**14.5 Environmental hazard** Yes

**14.6 Special Provisions** None

**ICAO (air)**

**14.1 UN/ID no** 3082  
**14.2 Proper Shipping Name** Environmentally Hazardous Substance, liquid n.o.s.

**14.3 Hazard Class** 9

**14.4 Packing group** III

**Description** (Vetiveria zizandioides oil)

**14.5 Environmental hazard** Yes

**14.6 Special Provisions** None

**IATA**

**14.1 UN/ID no** 3082  
**14.2 Proper Shipping Name** Environmentally Hazardous Substance, liquid n.o.s.

**14.3 Hazard Class** 9

**14.4 Packing group** III

**Description** (Vetiveria zizandioides oil)

**14.5 Environmental hazard** Yes

**14.6 Special Provisions** None

## SECTION 15: Regulatory information

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Authorization and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### Persistent Organic Pollutants



Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

### Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapor  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H330 - Fatal if inhaled  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H351 - Suspected of causing cancer  
H401 - Toxic to aquatic life  
H402 - Harmful to aquatic life  
H411 - Toxic to aquatic life with long lasting effects  
H412 - Harmful to aquatic life with long lasting effects

Issue date	24-Apr-2015
Revision date	17-Jan-2020
Revision note	Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

### Disclaimer

This material has not been tested or proven safe for inhalation. With this document, Phoenix LLC only attests to the safety of the product when used in the appropriate and suitable fragrance/flavor industry application.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Classification and labeling according to the IFRA/IOFI Labeling Manual 2019.

End of Safety Data Sheet