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**1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY / UNDERTAKING**

1.1	<b>Product Identifiers</b>	<b>Product Code</b> 1014 <b>Product Name</b> VETIVERT OIL <b>CAS No.</b> 8016-96-4 <b>Index No.</b> N/A <b>CLP Reference No.</b> 02-2119738472-37-0000 <b>REACH Pre-Registration No.</b> N/A <b>EC No.</b> 282-490-8 <b>FEMA No.</b> N/A
1.2	<b>Use</b>	Use in Flavour / Food Application.
1.3	<b>Company / Undertaking Identification</b>	<b>Ultra International B.V.</b> Malledijk 3H, 3208 LA Spijkenisse, (Loods 12-15), Netherlands Tel : +3161 6915330 Fax : +91-120 - 437 4000 E-mail : <a href="mailto:ultraintl.nl@gmail.com">ultraintl.nl@gmail.com</a> ; <a href="http://www.ultrainternational.com">www.ultrainternational.com</a> +91-9810008844
1.4	<b>Emergency Telephone</b>	

**2. HAZARD IDENTIFICATION**

2.1 **Classification of the substance / preparation**  
 Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS classification]

<u>HAZARD CATEGORY</u>	<u>HAZARD STATEMENTS</u>
Skin Corrosion/Irritation 2	H315 CAUSES SKIN IRRITATION
Skin Sensitization 1	H317 MAY CAUSE AN ALLERGIC SKIN REACTION
Eye Irritation 2A	H319 CAUSE SERIOUS EYE IRRITATION

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

R36/38	IRRITATING TO EYES AND SKIN
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT

2.2 **Label Elements**  
 Label elements according to Regulation (EC) No. 1272/2008 (Substance)/Directive 67/548/EEC  
**Hazard Pictogram / Symbol:**



GHS 07

**Signal word / Indication(s) of danger:**  
 Danger

**Hazard Pictogram / Symbol:**



Xi Irritant

**Hazard Statements**

H317	MAY CAUSE AN ALLERGIC SKIN REACTION
H319	CAUSE SERIOUS EYE IRRITATION



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## Precautionary Statements

**P303+P361+P353** IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER  
**P333+P313** IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ADVICE/ATTENTION.  
**P305+351+338** IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.  
**P337+P313** IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION  
**P 280** WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION FACE PROTECTION  
**P 501** DISPOSE OFF CONTAINERS TO..... (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION)

## 3. COMPOSITION / INFORMATION OF INGREDIENTS

**Substance Name** : VETIVERT OIL  
**CAS No.** : 8016-96-4  
**EC No.** : 282-490-8  
**Botanical Name** : -  
**Stabilizers** : N/A  
**Hazard Impurities** : N/A  
**Synonyms** : Vetiver Oil Haiti  
Vetiveria zizanioides root oil  
**Index No.** : N/A  
**CLP Reference No.** : 02-2119738472-37-0000  
**REACH Pre-Registration No.** : N/A

## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

**Eye Contact** : Remove contact lenses if worn. Flush immediately with plenty of water.  
**Skin Contact** : Remove contaminated clothing. Wash affected area with mild soap and water.  
**Inhalation** : Remove affected person to fresh air. If discomfort persists, consult physician.  
**Swallowing** : Seek immediate medical care.

### 4.2 Indication of any immediate medical attention and special treatment method

IF SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician.  
IF ON SKIN (or hair): Remove /take off immediately all contaminated clothing. Rinse skin with water /shower.

## 5. FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media

- **Suitable** : Carbon Dioxide; Dry Chemical; Universal Type Foam.  
- **Unsuitable** : Water spray; others not established.

### 5.2 Special hazards arising from substance

Combustible liquid Possibility of development of hazardous gases or vapors in event of fire Following may develop: CO and CO2

### 5.3 Advice for fire fighters

Do not stay in dangerous zone without self protective clothing and breathing apparatus Spray extinguishing media directly into base of fire Cool containers exposed to flame with water Prevent fire fighting water entering surface water or ground water.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, protective equipment and emergency procedures

Wear personal protective clothing. Keep away unprotected individuals. Eliminate source of ignition. Keep area well ventilated and isolate the spill.

### 6.2 Environmental precautions

Prevent entry into drains, ground/surface water or sewerage system.

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

Pick up with absorbents material (Sand) or with pump for large spills.

### 6.4 Reference to other sections

Refer to Section 7, 8 & 13



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### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

##### Measures to prevent fire

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
Use explosion proof electrical/ ventilating/lighting/equipment etc.

##### Measures to prevent aerosols and dust generation

Ensure good ventilation at workplaces

##### Measures to protect the environment

Prevent entry into drains, ground/surface water or sewerage system.

##### General Occupational hygiene

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse.

#### 7.2 Conditions for safe use, including any incompatibilities

##### Information on storage conditions

Should be stored in cool, dark, dry, well ventilated places in full, tightly sealed containers protected from light & source of ignition

##### Information on packing materials

Should be packed in Aluminium, HDPE Food Grade Cans, MS Coated Drums, and GI Drums, Avoid long contact with Iron

##### Requirements for storage rooms and vessels

Should be stored in suitable containers (lines inside) e.g. MS Coated Drums, GI Drums etc. No special requirement for storage rooms.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Exposure controls

##### 8.1 Appropriate engineering controls

Engineering controls should be used as the primary means to control exposures

##### 8.2 Personal protective equipments

###### Skin protection



Safety gloves

###### Eye protection



tight safety goggles

###### Body protection



Protective clothing

###### Respiratory protection



Dust mask

##### 8.3 Environmental exposure controls

Prevent entry into drains, ground/surface water or sewerage system.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

-physical state  
-colour

Liquid  
Light brown to reddish brown  
Characteristic

#### Odour

##### Odour Threshold

Medium

#### pH

N/A

#### Melting Point °C

N/A

#### Boiling Point °C

N/A

#### Flash Point (Closed Cup) °C

116 °C

#### Vapour Pressure

N/A

#### Vapour Density

N/A

#### Specific Gravity /Relative Density

0.984 – 1.035 @25°C

#### Refractive Index

1.520 – 1.528 @20°C

#### Partition Coefficient

N/A

#### Surface tension

N/A

#### Solubility

-Water


Insoluble

-Alcohol

1:2 in 80% alcohol

#### Viscosity

Not estimated

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**Explosive Limits**

-Lower Explosion Limit	N/A
-Upper Explosion Limit	N/A
<b>Auto ignition Temperature</b>	N/A
<b>Flammability</b>	N/A
<b>Granulometry</b>	N/A
<b>Oxidising Properties</b>	N/A

**10. STABILITY AND REACTIVITY**

**10.1 Reactivity**

Not reactive, stable at room temperature.

**10.2 Chemical stability**

Stable

**10.3 Possibility of hazardous reactions**

Reactions with strong oxidizers

**10.4 Conditions to avoid**

No decomposition if stored and handled properly

**10.5 Incompatible materials**

Avoid strong acids strong bases and all oxidising agents

**10.6 Hazardous decomposition products**

No dangerous decomposition products expected by intended use

**11. TOXICOLOGICAL INFORMATION**

<b>11.1 Acute toxicity oral (LD50)</b>	>5000 mg/kg bw (Rat)
<b>11.2 Acute toxicity inhalation</b>	Not Determined
<b>11.3 Acute toxicity dermal (LD50)</b>	> 5000 gm/kg bw (Rabbit)
<b>11.4 Skin Irritation/Corrosion</b>	N/A
<b>11.5 Respiratory sensitization</b>	N/A
<b>11.6 Skin sensitization</b>	N/A
<b>11.7 CMR Effects</b>	
Carcinogenicity	N/A
Mutagenicity	N/A
Toxic to reproduction	N/A
<b>11.8 Eye Irritation / Corrosion</b>	N/A
<b>11.9 Exposure limits</b>	There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established.

**12. ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	
PNEC Oral	: Not estimated
NOAEL	: Not estimated
EC50 (48hrs)	: Not estimated
LC50 (96hrs)	: Not estimated
<b>12.2 Persistence and degradability</b>	: Readily biodegradable in water
<b>12.3 Mobility in Soil</b>	: Low mobility
<b>12.4 Results of PBT and vPvB assessment</b>	N/A

**13. DISPOSAL CONSIDERATION**

**13.1 Waste treatment methods**

**Product/packaging disposal**

Handle in accordance with official provisions

**Waste treatment options**

Recycling is preferred to disposal or burning


**Waste code /Waste designations according to EWC/AVV**

15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

**13.2 Recommendations**

Empty contaminated packing thoroughly as they may be recycled

Moistened solids to be disposed off adhering to necessary technical regulations after consulting concerned authorities

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#### 14. TRANSPORT INFORMATION

##### 14.1 Land Transport (ADR/RID/GGVSE)

<b>UN Number</b>	Not Regulated
<b>DG Class</b>	N/A
<b>Packing Group</b>	N/A
<b>Proper Shipping Name</b>	N/A
<b>Classification Code</b>	N/A
<b>Hazard Labels</b>	N/A

##### 14.2 Sea Transport (IMDG-Code/GGVSee)

<b>UN Number</b>	Not Regulated
<b>DG Class</b>	N/A
<b>Packing Group</b>	N/A
<b>Proper Shipping Name</b>	N/A
<b>Marine Pollutant</b>	Yes
<b>Hazard Labels</b>	N/A

##### 14.3 Air Transport (ICAO-IAT/DGR)

<b>UN Number</b>	Not Regulated
<b>DG Class</b>	N/A
<b>Packing Group</b>	N/A
<b>Proper Shipping Name</b>	N/A

##### 14.4 Special precautions for users

Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before reuse Prevent entry into drains, ground/surface water or sewerage system.

##### 14.5 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

N/A

##### 14.6 Other Information

<b>Custom Tariff Code</b>	:	3301 19 10
<b>EmS Code</b>	:	-

#### 15. REGULATORY INFORMATION

##### EU regulations:

The product has been classified and labelled according to criteria provided in Directive 67/548/EEC and 1272/2008/EC, and following the recommendations of EFFA (European Flavor and Fragrance Association).

##### Other Regulations: German Regulation (VwVws)

**Water Hazard Class** : WGK 2


#### 16. OTHER INFORMATION

##### 16.1 Changes to previous version

Changes applicable according to regulation (EC) No 1907/2006 (REACH)

##### 16.2 Abbreviations and acronyms

<b>GHS</b>	:	Globally Harmonized System of Classification and labeling of Chemicals
<b>CAS</b>	:	Chemical abstract Service (division of American Chemical society)
<b>CLP</b>	:	Classification, Labelling and Packaging
<b>LD50</b>	:	Lethal concentration, 50 percent
<b>EC50</b>	:	Effective concentration, 50 percent
<b>PNEC</b>	:	Predicted No Effect Concentration
<b>NOAEL</b>	:	No Observed Adverse Effect Levels
<b>ADR</b>	:	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>RID</b>	:	Regulations Concerning the International Transport of Dangerous Goods by Rail

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**IMDG** : International Maritime Code for Dangerous Goods  
**IATA** : International Air Transport Association  
**IATA-DGR** : Dangerous Goods Regulations by the International Air Transport Association (IATA)  
**ICAO** : International Civil Aviation Organization

**16.4 Wording of relevant hazard statement and/or precautionary statements referred to in section 2 to 15**

**Hazard Codes**

**Xi**                      IRRITANT

**Risk Phrases**

**R36/38**                      IRRITATING TO EYES AND SKIN  
**R43**                      MAY CAUSE SENSITIZATION BY SKIN CONTACT

**Safety Phrases**

**S24**                      AVOID CONTACT WITH SKIN  
**S 26**                      IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE  
**S37**                      WEAR SUITABLE GLOVES

**Hazard Statements**

**H317**                      MAY CAUSE AN ALLERGIC SKIN REACTION  
**H319**                      CAUSE SERIOUS EYE IRRITATION

**Precautionary Statements**

**P303+P361+P353**                      IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER  
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**P305+351+338**                      IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO.  
**P337+P313**                      IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION  
**P 280**                      WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION FACE PROTECTION  
**P 501**                      DISPOSE OFF CONTAINERS TO..... (IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATION)

**16.5 Training advice appropriate for workers**

N/A

**16.6 Quality Declaration**

The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.