

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

### 1.1. Identification of the substance/mixture

**Trade name:** VETIVEROL NATURAL (EX VETIVER INDIA)  
**Substance name:** VETIVEROL  
**CAS Number:** 84238-29-9  
**CE Number:** 282-490-8

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

Raw material for the manufacture of fragrances.

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

**Company:** Ernesto Ventós SA Carretera Real, 120 B  
**Address:** 08960 Sant Just Desvern – Barcelona – SPAIN  
**Telephone:** (00 34) 934 706 210 (00 34) 934 733 010  
**Fax:** info@ventos.com  
**E-mail:**

### 1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h)  
NCEC (+34) 91 114 2520 (24h) (ES)  
NCEC (+1) 202 464 2554 (24h) (USA, Canada)

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Skin Irrit. 2 - H315  
Eye Irrit. 2A - H319  
Skin Sens. 1B - H317

### 2.2. Label Elements

**Hazard pictograms:**



**Signal Word:**

Warning

**Hazard statements:**

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

**Precautionary statements:**

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352+P333+P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338+P337+P313 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

P362+P364 – Take off contaminated clothing and wash it before reuse.

### 2.3. Other hazards

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

**Chemical name:** VETIVEROL  
**CAS number:** 282-490-8  
**EC number:**

**VETIVEROL NATURAL (EX VETIVER INDIA)**

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**Hazardous constituents:**

| Chemical Name | %(w/w)   | CAS No.<br>EC No.    | Classification according to GHS  |
|---------------|----------|----------------------|--|
| VETIVEROL     | ≥25; <50 | 89-88-3<br>201-949-5 | Skin Irritant - Category 2 - H315<br>Eye Irritant - Category 2A - H319<br>Skin sensitizer - Category 1B - H317 |

See the full text of the hazard statements in section 16.

**3.2. Mixtures**

Not applicable.

**4. FIRST-AID MEASURES**

**4.1. Description of necessary first aid measures**

Ingestion: Rinse mouth with water.  
Obtain medical advice.  
Keep at rest. Do not induce vomiting.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.  
Seek immediate medical advice.

Skin contact: Take off immediately all contaminated clothing.  
Thoroughly wash affected skin with soap and water.  
Seek medical attention if symptoms persist.

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

No information available.

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

No information available.

**5. FIRE-FIGHTING MEASURES**

**5.1. Extinguishing Media**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.  
For safety reasons do not use full water jet.

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

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

**5.3. Advice for firefighters**

High temperatures can lead to high pressures inside closed containers.  
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.  
Do not allow spillage of fire to be poured into drains or watercourses.  
Wear self-contained breathing apparatus and protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

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

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.  
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

**6.2. Environmental precautions**

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

**6.3. Methods and materials for containment and cleaning up**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).  
Place in covered containers using non-sparking tools and transport outdoors.  
Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).  
Ventilate area and wash spill site after material pickup is complete.

**6.4. Reference to other sections**

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.  
Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.  
Observe the rules of safety and hygiene at work.  
Keep in the original container or an alternative made from a compatible material.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.  
Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).  
Keep away from incompatible materials (see section 10).

### 7.3. Specific end use(s)

No information available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### 8.1. Control parameters

Components with occupational exposure limits:  
None known.

### 8.2. Exposure controls

Measures should be taken to prevent materials from being splashed into the body.  
Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

### 8.3. Individual protection measures, such as personal protective equipment

Eye/Face protection:

Hand Protection:

Body protection:

Respiratory Protection:

Environmental exposure controls:

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

In case of insufficient ventilation, use suitable respiratory equipment.

Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.

In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colour : Odour : Odour  
threshold: pH: Melting point/freezing  
point: Boiling point/boiling range (°C):  
Flash point: Evaporation rate:  
Flammability: Lower  
flammability/Explosive limit: Upper  
flammability/Explosive limit: Vapour  
pressure: Vapour Density: Density:  
Relative density: Water solubility:  
Solubility in other solvents: Partition  
coefficient n-octanol/water: Auto-  
ignition temperature: Decomposition  
temperature: Viscosity, dynamic:  
Viscosity, kinematic: Explosive  
properties: Oxidising properties:

Liquid Conforms to  
standard Conforms to  
standard Not  
determined Not  
determined Not  
determined Not  
determined 111 °C  
Not determined Not  
determined Not  
determined Not  
determined Not  
determined Not

0,98-1 g/mL (20°C)

0,98

INSOLUBLE IN WATER

SOLUBLE IN ETHANOL

Not determined

Not determined

Not determined

Not determined

Not determined

Not determined

NONE EXPECTED

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

### 10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### 10.6. Hazardous decomposition products

|                                   |                      |   |
|-----------------------------------|----------------------|---|
| Acute toxicity                    | Formulation          | Based on the data available, the criteria for classification are not met.   |
| Corrosion/irritation              | Skin                 | Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Based on the data available, the criteria for classification are not met. |
| Respiratory or skin sensitisation | Germ cell            | Based on the data available, the criteria for classification are not met.   |
| Reproductive toxicity             | STOT-single exposure | Based on the data available, the criteria for classification are not met.   |
| STOT-repeated exposure            | Aspiration hazard    | Based on the data available, the criteria for classification are not met.   |
|                                   |                      |   |
|                                   |                      |   |

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Assessment:

Based on the data available, the criteria for classification are not met.

#### Experimental/calculated data:

No information available.

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Soil mobility

No information available.

### 12.5. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.