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MATERIAL SAFETY DATA SHEET

According to Regulation (EC) № 1907/2006 (REACH), as amended by Regulation (EU) 2020/878 and Regulation 1272/2008

Organic Vetiver Oil

Version 1.0: first edition Date of creation: 15.04.2022 Date of printing: 15.04.2022

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

1.1. Product Identifiers

Trade name : Organic Vetiver Oil

Substance name : VETIVERIA ZIZANOIDES ROOT OIL
(INCI)

Botanical name : Vetiveria zizanioides

CAS № : 8016-96-4 / 84238-29-9

EO № : - / 282-490-8

Biological origin :
Obtained upon distillation of dry or fresh roots of the perennial herbaceous and subtropical plant Vetiveria zizanioides Stapf. = Andropogon muricatus Retz., of the family Peaceae.

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

Use of substance/mixture : Used in perfumery and cosmetics by itself or as a formulation constituent, a part of composition.

Recommended : Avoid contact with eyes!
restrictions on use

Reason not to recommend use: : May cause serious irritation.

1.3. Details of the supplier of the safety data sheet

Manufacturer : ALTEYA ORGANICS LLC
Mailing address/Postal code : 6167, village of Yagoda,

1, Rozovarna St.

Country identifier/
Postal code/city or town : Bulgaria
Telephone/Mobile/Fax : +359 700 15 502
E-mail of the competent person responsible for the Safety Data
Sheet : salesbg@alteya.com
National contact person : Kaloyan Stoev

1.4. Emergency telephone number

Clinic of Toxicology at MPHATEM N.I. Pirogov

Emergency telephone number: 02 9154409; (regular working time, Saturdays and Sundays excluded) or 02 9154 346 (24h service, all week)

e-mail: poison_centre@mail.orbitel.bg
<http://www.pirogov.net>

2. Hazards Identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification according to GHS				
Chapter	Subsection	Class of hazard	Class of hazard and category of hazard	Hazard statements
3.2	Skin	Skin irritation	Corrosion/irritation 2	H315
3.3	Eye	Eye irritation	(Corrosion)Damage/Irritation. 2A	H319
3.4	Sens.	Skin sensitization	(Skin sens 1)	H317
4.1	Chronic	Hazardous for aquatic life	Aquatic Chronic 2	H411

2.1.2. Additional information:

For the full text of hazard statements and EU hazard statements: see SECTION 16.

2.1. Label Elements

Labeling according Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms



GHS07 GHS09

Signal word : Caution

Hazard statements : H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction

Hazardous statements concerning environment H411 Toxic for aquatic life with long-lasting effect



Safety recommendations

Safety recommendations

P102 Keep out of reach of children

Safety recommendations

Prevention :

P264 Thoroughly wash hands after handling.
P273 Avoid release to the environment.
P280 Use protective gloves/protective clothing /protective goggles/protective facial mask.

Safety recommendations

- As a reaction

P305+ P351+ P338 If in the eyes: Rinse carefully with water for several minutes. Remove contact lenses if there are such and if possible. Continue rinsing.
P301+P310 P331 IF SWALLOWED: call a doctor immediately. Do not induce vomiting.
P302 + P352 P333 + P313 IF ON SKIN: wash with plenty of water/... If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313 If persisting eye irritation or skin rash occurs: Seek medical advice/help.
P391 Collect spillage.

Safety recommendations

- If stored

P403+P235 Store in a well ventilated place. Keep cool.

At disposal :

P501 Dispose of contents / container at an approved disposal site in accordance with local and national regulations.

2.2. Other hazards

May cause skin irritation/allergy. A patch test is recommended.

Special slip hazard from leakage/spill of product.

The substance meets vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII

3. Composition/information on ingredients

3.1. Substances

INGREDIENT	IDENTIFIERS	%	CLASSIFICATION
VETIVERIA ZIZANOIDES ROOT OIL	EINECS NO: - / 282-490-8 CAS NO: 8016-96-4 / 84238-29-9	100,0	



			ATTENTION Skin Irrit. 2 – H315 Skin Sens. 1B H317 Eye Irrit. 2 - H319 Aquatic Chronic 2 H411
α -vetivone	EINECS NO: 239-855-1 CAS NO: 15764-04-2	1 – < 5	Skin Sens. 1B / H317
β -vetivone	EINECS NO: 204-872-5 CAS NO: 18444-79-6	1 – < 5	Skin Sens. 1B / H317
β -vetivene	EINECS NO: - CAS NO: 68129-81-7	< 1,0	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Eye Irrit. 2 - H319
Khusimol	EINECS NO: - CAS NO: 16223-63-5	1 – < 5	N/A

4. First Aid Measures

4.1. Description of first aid measures



General notes : Remove contaminated clothing and wash. In all cases of doubt, or in the presence of symptoms, seek medical help. (Show this safety data sheet to the attending physician, if possible).

Following inhalation : Move the affected person to fresh air.
In all cases of doubt, or in the presence of symptoms, seek medical help.

Following skin contact : Flush skin with water/take a shower. After contact with the skin, immediately wash thoroughly with water (or water + soap).
Seek medical attention in case of skin reactions or skin irritations.

Following eye contact : Immediately flush with plenty of water, also under the eyelids, for at least 10 minutes.
In case of eye irritation, consult an ophthalmologist.

- Following ingestion : Rinse the mouth. Call a doctor if you feel unwell.

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

Following skin contact : Irritation, Allergic reactions



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

Treatment : Treat symptomatically.

5. Fire-fighting Measures

5.1. Extinguishing media

Suitable extinguishing media : fire fighting measures should be coordinated with the surroundings, water spray, extinguishing dry powder, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media : Water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Flammable

Hazardous combustion products : Carbon monoxide (CO), Carbon dioxide (CO₂), Burning may release poisonous gases containing carbon monoxide.

5.3. Advice for firefighters:

Special protective equipment for firefighters : In case of fire and/or explosion do not inhale smoke. Do not allow extinguishing water to enter drains or water sources. Extinguish the fire with the usual precautions from a reasonable distance. Wear self-contained breathing apparatus.
Do not fight the fire with water: water tends to fuel the fire instead of suffocating it.
The essential oil has the ability to float in water. The spread of the fire is then accelerated. To extinguish an essential-oil-fed-fire, use a specific ABC powder fire extinguisher (or equivalent).
If fire is not big, it can be smothered by covering it with earth, sand or a blanket.



Additional information : In case of fire and/or explosion, do not breathe fumes.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For personnel not responsible for emergencies

Wear appropriate protective equipment (including the personal protective equipment listed in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing.

Avoid product contact with skin, eyes and clothing. Do not breathe vapor/aerosol. Stop the leak if you can do so without risk. Follow the instructions in Sections 7,8 and 13.

For firefighters: Firefighters will be equipped with appropriate personal protective equipment (see section 8). High temperature may increase the pressure in the container - cool the container by spraying water.

6.1.2. For the persons responsible for emergencies

Personal precautions : Only qualified personnel, equipped with appropriate protective equipment, may interfere: Maintain good occupational and personal hygiene.

6.2. Environmental precautions

Environmental precautions : Do not dispose directly into water bodies, drains and sewers, do not pollute the soil.
In case of penetration into water or sewerage, inform the competent authorities. Save the contaminated wash water and dispose it of.

6.3. Methods and materials for containment and cleaning up

- 6.3.1. For containment : Covering of drains.
To be mechanically soaked in with a binding material (sand, diatomite, acid binding agent or universal.
- 6.3.2. For cleanup : Wipe up small spills with a cloth.
Place in appropriate containers for disposal.
Clean with hot water and detergent.
Ventilate the affected area.



6.4. Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8.

Incompatible materials: see section 10. Waste disposal: see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Precautions	:	Avoid contact with the product. Do not swallow the product. Keep it away from food or drink. Do not smoke in the vicinity. Do not inhale hot steam profusely. During incorporation of the product, it must be kept at relatively low temperatures. If it is necessary to increase the temperatures, this should be organized for a short time. Neither heat over an open flame, nor expose the vapor to a flame or other ignition source (e.g. electrical equipment). Good ventilation of the premises is desirable. Ensure adequate ventilation. Wear appropriate protective clothing. Always wash hands after work.
Fire-fighting measures	:	Electrical equipment must be grounded and comply with requirements. Keep away from heat. Keep away from sources of ignition. All equipment, used in handling the product, must be grounded.
Measures to avoid transformation into aerosols and powder	:	Provide good ventilation or exhaust in the workplace.
Hygienic measures	:	Wash hands before breaks and at the end of the workday. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions	:	Keep the container tightly closed until ready for use. It is stored in glass, aluminum or white sheet packaging, HDPE containers, and for a shorter time also in galvanized barrels or in a dark and cool room away from extreme heat and freezing conditions, as well as too large temperature differences.
Incompatible materials	:	Follow the guidelines for combined storage
Packing materials	:	Containers should be kept closed to minimize



contamination.

It is recommended that the product is stored in the original packaging.

Storage class : No information available.

Additional information on storage conditions : No information available.

Recommendations for fire and explosion protection : Keep away from sources of ignition and open flame.

Recommendations for primary storage : Apply good manufacturing practices and industrial hygiene practices by ensuring proper ventilation in the workplace. Observe good personal hygiene and do not eat, drink or smoke while working.

It is recommended that the packaging and storage conditions according to ISO/TS 210:2015 are observed.

7.3. Specific end use(s)

Recommendations : Read the label before use.

Solutions specific to the industry sector : No information available.

Specific use(s) : Used in perfumery and cosmetics by itself or as a formulation constituent, included in a composition.

Additional information: Follow the regulation relative to the application:
• Regulation on cosmetic products if they are advertised as cosmetics (e.g. perfume, highly diluted essential oils for use on the body as massage oils or bath additives).

8. Exposure controls/Personal protection equipment

8.1. Control parameters

➤ *There is a general recommendation of 10 mg/m³ for inhaled dusts or mists.*

(Additional information) No other additional information



8.2. Exposition controls

8.2.1. Appropriate engineering control

Measures related to the substance/
mixture to prevent exposure during
identified uses:

The description of the appropriate exposure control measures refers to the specified in Subsection 1.2 identified use(s) of the substance or mixture.

Provide exhaust ventilation or other engineering controls to maintain airborne vapor concentrations below the appropriate threshold limit value. Ensure that eyewash stations and safety showers are near the workplace.



8.2.2. Personal protective equipment:

Use personal protective equipment that is clean and properly maintained.

Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and launder contaminated clothing before reuse.

8.2.2.1. Eyes and face protection:

Avoid contact with eyes.

Use eye protection (safety glasses in accordance with the EN166 standard) designed to protect against liquid splashes.

8.2.2.2. Skin protection

Hand protection

:

Avoid skin contact. The use of chemically resistant gloves in accordance with standard EN374) is recommended in case of prolonged or repeated skin contact. Recommended glove type: nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR) or PVA (polyvinyl alcohol).

Body protection:

Work clothing worn by staff must be washed regularly. After contact with the product, all parts of the body that have been contaminated should be washed.

Respiratory tract
protection

:

Use local exhaust ventilation around open containers and other sources of potential exposure to avoid excessive inhalation. Respiratory protection is not required during normal workplace operations where engineering controls



such as adequate ventilation, etc., are implemented and functioning properly.

8.2.2.3. Thermal hazards : No data available.

8.2.2.4. Other protection : Non-slip safety shoes may be worn in case of spills.

Training measures required to avoid exposure : The training of the staff is organized according to a company schedule.

Organization measures to avoid exposure : Training of staff

Technical measures to avoid exposure : Training of staff

Environmental exposition controls

Basic guidelines : Do not wash-off into surface water and in sewage system.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State of aggregation : viscous fluid

Colour : brown to reddish brown

Odour : warm, woody, specific and very long lasting.
The fresh root oil has a fruity and green note, deepening as it dries down with very light smoky notes; it has exceptional intensity and complexity of aroma

Odour threshold : no current information

pH value : no information available

Acidity value, mg KOH/g : 319.43 /external source/

Esther value, mg KOH/g : 5.9228

Melting point : 20 °C (ECHA)



Boiling point or initial boiling point and boiling range	:	276 °C at 994 hPa (ECHA)
Flammability	:	this material is combustible but will not ignite easily
Explosivity	:	no information available
Upper and lower explosion limit	:	no information available
Flash point °C	:	104,0
Boiling point	:	276 °C /Echa dossier/
Auto-ignition temperature	:	300 °C at 1.011 hPa (ECHA) (auto-ignition temperature) (liquids and gases))
Decomposition temperature	:	no information available
Solubility (ies)	:	in water: 0,00177 g/l at 20 °C (ECHA) Soluble in diethyl phthalate, benzyl benzoate and vegetable oils. Gives cloudy solutions with mineral oils.
Insoluble in	:	water, glycerin and propylene glycol
Partition coefficient n-octanol/water Log/Pow	:	6,24 (ECHA)
Vapor pressure	:	0,0152 hPa at 20 °C
Particle characteristics	:	not applicable (liquid)

9.2. Other information

Refraction index at n ²⁰ /d	:	1.485 - 1.530
Relative density at d ²⁰	:	0.960 - 1.005
Optical rotation B°	:	+15.0 to +45.0
Surface tension	:	57,4 mN/m (20 °C) (ECHA)
The temperature class (EC, according to ATEX)	:	T3



Maximum permissible surface temperature of the equipment: 200°C

No other information available

9.2.1. Information related to physical hazard classes

Note : no information available

10. Stability and Reactivity

10.1. Reactivity

Note : This material is not reactive under normal conditions of the environment.

When heated : Vapors may form explosive mixtures with air.

10.2. Chemical stability

Note : Resistant to dilute acids and bases, but not resistant to strong ones.
The material is resistant to temperature and pressure or in the usual environment and under the foreseeable conditions of storage and operation.

10.3. Possible hazardous reactions

Hazardous reactions : Reacts violently with: strong oxidizer

10.4. Conditions to avoid

Conditions to avoid : Avoid sparks, flame and other heat sources.

Thermal decomposition : no data

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents.
Avoid flammable materials, PVC.

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide and unidentified organic compounds may form during combustion.



11. Toxicological Information

11.1. Information on toxicological effects

Basic information: The information presented in this section doesn't belong to the product itself but results from the toxicity data of its components

Acute toxicity

Basic information : *Not to be classified as acutely toxic.*

Method : LD50
Species : rat
Routes of exposure : orally
Effective dose : > 5000 mg/kg
Source : ECHA

Method : LD50
Species : rat
Routes of exposure : dermally
Effective dose : > 5000 mg/kg
Source : ECHA

Notes : Low-order toxicity causing stomach and intestinal irritation leading to nausea and vomiting.

Corrosion/Skin irritation

Notes : Causes skin irritation.
Repeated or prolonged contact may cause redness, irritation and peeling of the skin (dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene.

Serious damage/eye irritation

Result : Causes serious eye irritation.

Respiratory or skin sensitization

Note : May cause an allergic skin reaction.

Ingestion



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Note : Low toxicity, causes stomach irritation

Mutagenicity of germ cells

Note : Not to be classified as germ cell mutagenic

Carcinogenicity

Note : Not to be classified as carcinogenic

Reproductive toxicity

Note : Not to be classified as toxic for reproduction

STOT (specific target organ toxicity) — single exposure

Note : Not to be classified as specific target organ toxicity
(single exposure).

STOT (specific target organ toxicity) — repeated exposure

Note : Not to be classified as specific target organ toxicity
(repeated exposure).

Aspiration hazard

Note : Aspiration of high vapor concentrations may cause eye,
nose, throat irritation, headache, nausea and dizziness.

Information on possible routes of exposure

Note : Eye contact, inhalation, ingestion and skin contact.

Symptoms related to physical, chemical and toxicological characteristics

Upon ingestion : No data available.

Upon eye contact : Causes serious eye irritation.

Upon skin contact : Causes skin irritation.
May cause allergic reactions, itching, local redness.



Upon inhalation : No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Note : Toxicological characteristics are not comprehensively studied

Interactions

Note : Toxicological characteristics are not comprehensively studied

Lack of specific data

Note : Toxicological characteristics are not comprehensively studied

Mixtures

Note : Toxicological characteristics are not comprehensively studied

Medical considerations

Note : Individuals with a rash are referred to a skin specialist for a testing of allergic eczema.

Other information

Note : Toxicological properties have not been fully studied

11.2. Properties disturbing the functions of the endocrine system

Note : Not listed

12. Ecological information

Note : Toxic to aquatic organisms, with a long-lasting effect

12.1. Toxicity

Product:

Acute (short-term) toxicity:



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Fish

Note : no data

Toxic for Daphnia and other aquatic invertebrates

EC50 2,6 mg/l aquatic invertebrates ECHA 48 h
8h-EC50 = 0.95 mg/l; 48h-EL50 = 2.6 mg/l

Algae/aquatic plants

ErC50 9,1 mg/l algae ECHA 48 h
48h-EL50 = 23 mg/l

Bacteria

Note : no data

Chronic (long-term) toxicity:

Note : no data

Fish

Note : no data

Shellfish

Note : no data

Algae/water plants

Note : no data

Other organisms

Note : no data

12.2. Persistence and degradability

Product:

Abiotic degradation

Mixture components degradation



Note : Not readily biodegradable - only 21% biodegradation in 10 days

Physical and photo-chemical elimination

Note : no data

Biochemical degradation

Note : No data available

12.3. Bioaccumulation

Product: The substance fulfills the criterion of being very bioaccumulative

n-octanol/water (log KOW): 6,24 (ECHA)

Bioaccumulative ability of the mixture components

Notes : α -vetivone 15764-04-2 4,93
 β -vetivone 18444-79-6 5,28

Bioconcentration factor (BCF)

Notes : Does not accumulate in biological environment

12.4. Mobility in soil

Product: Very low solubility in water and will form a surface film

Known or predicted distribution in environmental components

Note : no data

Surface tension

Note : no data

Adsorption/desorption

Note : no data

12.5. Results of PBT and vPvB assessment

This product doesn't contain substances considered persistent, bioaccumulative or toxic PBT.



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Product:

Results of PBT and vPvB assessment

Notes : No data available

12.6. Other adverse effects

Product:

Biochemical oxygen demand (BOD)

Value : No data available

Chemical oxygen demand (BOD)

Value : No data available

Additional ecological information/Mobility in soil

Notes : No data available

12.7. Additional information

Notes : Do not allow products to enter streams, drains or other waterways.

13. Disposal Considerations**13.1. Waste treatment methods**

Notes : This material and its packaging should be treated as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Information on disposal into the sewage system

Do not discharge into drains.

Avoid release to the environment, see special instructions/safety data sheet.

Container/packaging waste management

It is a hazardous waste; only approved packaging (e.g. according to ADR) can be used.



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13.2. Relevant waste regulations

The placing of codes/names on the waste should be carried out in accordance with the Regulation on the waste catalogue, according to the specifics of the given production or process.

European waste
catalogue number

*** 16 03 05**

organic waste containing hazardous substances

Information about
disposal in the
sewer system

Do not discharge into drains.

Avoid release to the environment, see special instructions/safety data sheet.

13.3. Notes

Waste must be separated into categories that can be treated separately by local or national waste management authorities. Note any national or regional regulations that are relevant.

14. Information on transportation



Transport :
icon

Class: 9 Various dangerous substances and articles

14.1. UN proper shipping name

UN 3082

14.2. UN proper shipping name

ADR/RID/AND

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

IMDG Code

ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

ICAO-TI

Environmentally hazardous substance, liquid,
n.o.s.



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Technical name Organic vetiver oil

14.3. Transport hazard class(es)

ADR/RID/ADN 9

IMDG Код 9

ICAO-TI 9

14.4. Packing group

ADR/RID/ADN III

IMDG Code III

ICAO-TI III

14.5. Environmental hazards

dangerous for the aquatic environment

14.6 Special precautions for users

Dangerous Goods Regulations (ADR) must be followed within the sites.

14.7. Transport in bulk according to Annex II to MARPOL and IBC Code“

The cargo is not intended for transport in bulk

14.8 Information on all UN Model Rules

Road, rail and inland water transport of dangerous goods (ADR/RID/ADN) - Additional information

Exact transport name ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.



Details in the transport document UN3082, ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S., (Vetiver oil), 9, III, (-)

Classification code M6



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Hazard label(s)	9, "Fish and wood"
 	
Environmental hazards	yes (hazardous to the aquatic environment)
Special regulations (SP)	274, 335, 375, 601
Excluded quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	-
Identification No for danger	90

International Maritime Dangerous Goods Code (IMDG) - Additional information

Exact transport name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
The details as per shipper's declaration	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Oil of vetiver), 9, III
Marine pollutant	yes (hazardous to the aquatic environment), (Oil of vetiver)

Hazard label(s)	9, "Fish and wood"
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Special regulations (SP)	274, 335, 969
Excluded quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-F
Storage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information



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Exact transport name	Environmentally hazardous substance, liquid, n.o.s.
The details as per shipper's declaration	UN3082, Environmentally hazardous substance, liquid, n.o.s., (Oil of vetiver), 9, III
Environmental hazards	yes (hazardous to the aquatic environment)
Hazard label(s)	9, "Fish and wood"
	
Special regulations (SP)	A97, A158, A197, A215
Excluded quantities (EQ)	E1
Limited quantities (LQ)	30kg

15. Regulatory information

15.1. Legislation specific for the substance or mixture / safety, health and environmental regulations

The relevant European Union (EU) regulations Restrictions according to REACH Annex XVII

Name of the substance	Name according to the inventory	CAS No	Limitation	№
Vetiver oil	this product meets the criteria for classification according to Regulation No. 1272/2008/EC		R3	3
Vetiver oil	substances in tattoo inks and permanent makeup		R75	75

Legend

R3 1. Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays;
 - tricks and jokes;
 - games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
- can be used as fuel in decorative oil lamps for supply to the general public, and,
 - present an aspiration hazard and are labelled with risk phrase H304.

4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).

5. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of dangerous substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:

- a) lamp oils, labelled with risk phrase H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil — or even sucking the wick of lamps — may lead to life-threatening lung damage";
- b) grill lighter fluids, labelled with risk phrase H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter may lead to life threatening lung damage";
- c) lamp oils and grill lighters, labelled with risk phrase H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010;

R75 1. 1. Shall not be placed on the market in mixtures intended for tattooing, and mixtures, containing any of these substances, shall not be used for tattooing purposes after 4 January 2022, if the substance or substances in question are present in the following circumstances:

- a) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as carcinogenic, category 1A, 1B or 2, or mutagenic to germ cells, category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0.00005 weight percent;
- b) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as toxic for reproduction, category 1A, 1B or 2, the substance is present in the mixture at a concentration equal to or greater than 0.001 weight percent;
- c) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as a skin sensitiser, category 1, 1A or 1B, the substance is present in the mixture in a concentration equal to or greater than 0.001 weight percent;
- d) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as causing skin corrosion, category 1, 1A, 1B or 1C, or skin irritation, category 2, the substance is present in the mixture in a concentration equal to or greater than:
 - i) 0.1 weight percent if the substance is used solely as a pH regulator;
 - ii) 0.01 weight percent in all other cases;
- e) in the case of a substance classified in Annex II to Regulation (EC) No 1223/2009 (*1), the substance is present in the mixture in a concentration equal to or greater than 0.00005 weight percent;
- f) in the case of a substance for which a condition is indicated for one or more of the following types in column g (Type of product, body parts) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration equal to or greater than 0.00005 weight percent:
 - i) „Rinse-off products“
 - ii) „Not to be used in products for application on mucous membranes“;
 - iii) „Not to be used in eye products“;

- g) in the case of a substance for which a condition is specified in column h (Maximum concentration in the ready-to-use preparation) or column i (Other) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration or otherwise not meeting the condition specified in this column:
- h) in the case of a substance listed in Appendix 13 to this Annex, the substance is present in the mixture in a concentration equal to or greater than the concentration limit specified for that substance in that Appendix.
2. For the purposes of this entry the use of a mixture "for tattooing" means the injection or introduction of the mixture into the skin, mucous membrane or eyeball of a person by a process or procedure (including procedures commonly referred to as "permanent makeup", "cosmetic tattooing", "microblading" and "micropigmentation") aimed at achieving a mark or drawing on his body.
3. If a substance not listed in Appendix 13 falls within the scope of more than one of points a) to g) of paragraph 1, the most stringent concentration limit established in those points shall apply to that substance. If a substance listed in Appendix 13 also falls within the scope of one or more of points a) to g) of paragraph 1, the concentration limit set out in point h) of paragraph 1 applies to that substance.
4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:
- a) Pigment Blue 15:3 (CI 74160, EO number 205-685-1, CAS number 147-14-8);
- b) Pigment Green 7 (CI 74260, EO number 215-524-7, CAS number 1328-53-6).
5. If Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 to classify or reclassify a substance so that it falls under points a), b), c) or (d) of paragraph 1 of this entry or falls under a different point from that in which it previously fell, and the date of application of that new or revised classification is after the date specified in paragraph 1 or, as the case may be, in paragraph 4 of this entry, then, for the purposes of applying this entry to the specified substance, that amendment shall be treated as coming into force on the date of application of that new or revised classification.
6. If Annex II or Annex IV to Regulation (EC) No 1223/2009 is amended after 4 January 2021 to add a substance to the list or to change its entry so that it falls under points e), f) or g) of paragraph 1 of this entry, or fall in a different point from that in which it previously fell, and the amendment takes effect after the date specified in paragraph 1 or, as the case may be, paragraph 4 of this entry, then for the purposes of the application of this entry in relation to the specified substance, this amendment shall be treated as coming into force 18 months after the entry into force of the act which the said amendment is made by.
7. Suppliers that place on the market a mixture intended for tattooing shall ensure that, after 4 January 2022, the following information is indicated on the label of the mixture:
- a) the text "Mixture intended for tattoos or permanent make-up";
- b) a unique lot identification reference number;
- c) the list of ingredients in accordance with the nomenclature established with the Glossary of common ingredient names pursuant to Article 33 of Regulation (EC) No 1223/2009, or in the absence of a common name of an ingredient, the IUPAC name. In the absence of a name or IUPAC name, the CAS number and the EC number. Ingredients are listed in descending order by weight or volume of ingredients at the time of formulation. "Ingredient" means any substance added during the formulation process and present in the mixture intended for

tattooing. Impurities are not considered ingredients. If there is already a requirement for the name of a substance used as an ingredient within the meaning of this entry to be indicated on the label in accordance with Regulation (EC) No 1272/2008, this ingredient is not necessary to be indicated in accordance with this regulation;

d) the additional text "pH regulator" for substances covered by paragraph 1, letter d), subsection i);

e) the text "Contains nickel. May cause allergic reactions.", if the mixture contains nickel below the limit concentration, specified in Appendix 13;

f) the text "Contains chromium (VI). May cause allergic reactions.", if the mixture contains chromium (VI) below the concentration limit, specified in Appendix 13;

g) instructions for safe use to the extent that until now, according to Regulation (EC) No 1272/2008, they were not required to be indicated on the label. The information is clearly visible, easy to read and marked to be indelible. The information shall be written in the official language(s) of the Member State(s) in which the mixture is placed on the market, unless otherwise provided in the Member State(s) concerned. Where this is required due to the size of the package, the information referred to in the first paragraph, with the exception of letter a), shall instead be included in the instructions for use. Before using a mixture for the purpose of tattooing, the person using the mixture shall provide the person undergoing the procedure with the information marked on the packaging or included in the instructions for use under this paragraph.

8. Mixtures which labels do not contain the text "Mixture intended for tattooing or permanent make-up" are not used for the purpose of tattooing.

9. This entry does not apply to substances which are gases at a temperature of 20 °C and a pressure of 101,3 kPa or generate a vapor pressure of more than 300 kPa at a temperature of 50 °C, with the exception of formaldehyde (CAS number 50-00 -0, EC number 200-001-8).

10. This entry does not apply to the placing on the market of a mixture intended for tattooing or to the use of a mixture for the purposes of tattooing when it is placed on the market exclusively as a medical device or an accessory to a medical device within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or accessory to a medical device in the same sense. When the placing on the market or use may not be exclusively as a medical device or accessory to a medical device, the requirements under Regulation (EU) 2017/745 and under this Regulation shall apply cumulatively.

List of substances subject to authorization (REACH, Annex XIV)/SVHC - list of candidate substances

Not listed.

Seveso Directive

2012/18/EC (Seveso III)			
№	Hazardous substance/hazard categories	Threshold quantity (in tonnes) for the application of the requirements at low and high risk potential	Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200 500	57)

Notation

57) Hazardous to the aquatic environment in the category Chronic hazard, category 2

Deco-Paint Directive

VOC content	0 % , 0 g/l
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Directive on industrial emissions

VOC content	0 %
VOC content	0 g/l

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

Not listed.

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

Not listed.

Regulation on the marketing and use of explosives precursors

Not listed.

Regulation on drug precursors

Not listed.

Regulation on substances that deplete the ozone layer (ODS)

Not listed.

Regulation concerning the export and import of hazardous chemicals (PIC)

Not listed.

Regulation on persistent organic pollutants (POP)

Not listed.

Other information

Directive 94/33/EC on the protection of young people at work. The restrictions on the employment of pregnant and lactating women according to the Law on the protection of women at work (92/85/EEC) should be observed.

National inventories

State	List	Status
AU	AICS	the substance is entered
CA	DSL	the substance is entered
CN	IECSC	the substance is entered
EU	ECSI	the substance is entered
EU	REACH Reg.	the substance is entered
NZ	NZIoC	the substance is entered
PH	PICCS	the substance is entered
TW	TCS	the substance is entered
US	TSCA	the substance is entered

Legend

AICS	Australian Inventory of Chemical Substances
DSL	Domestic Substances List (DSL)
ECSI	EO list of substances (EINECS, ELINCS, NLP)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
NZIoC	New Zealand Inventory of Chemicals
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
REACH Reg.	REACH registered substances
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

15.2. Chemical Safety Assessment

A chemical safety assessment has not been prepared for this substance.

16. Other information

Expiry date 2 years from the date of manufacture.

Classification and procedure used to obtain the classification of mixtures according to Regulation (EC) No 1272/2008 [CLP]

Abbreviations and acronyms:

Abbreviations	Description of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement on the International Carriage of Dangerous Goods by Inland Waterways)



ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement on the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements on the international carriage of dangerous goods by road, rail and inland waterways (ADR/RID/ADN)
Aquatic Chronic 2	hazardous to the aquatic environment - chronic hazard
BCF	bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (prepares the most comprehensive list of chemicals)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (Classification, Labelling and Packaging)
CMR	Carcinogenic, mutagenic and toxic for reproduction (substance)
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 % EC50 corresponds to the concentration of the test substance causing 50% changes in the response (e.g. in terms of growth) over a specified time interval
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: at this method it is the concentration of the test substance that causes a 50% reduction in growth (EbC50) or growth rate (ErC50) compared to the control
Eye irrit.	Eye irritation
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals", developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe carriage of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG Код	International Maritime Dangerous Goods Code ???
LD50	Lethal Dose 50 %: LD50 corresponds to the dose of test substance causing 50% lethality during a specified time interval
log KOW	n-octanol/water
NLP	A substance that no longer has the properties of a polymer
PBT	Persistent, bioaccumulative and toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation on Carriage of Dangerous Goods by Rail)

Corrosion/irritation 2	Skin irritation
Skin Sens.	skin sensitization
SVHC	Substance of Very High Concern
vPvB	very Persistent and very Bioaccumulative
EO №	(EINECS, ELINCS и NLP-list) is the source for the seven-digit EC number, identifier of substances in the commercial network within the EU (European Union)
Index №	the index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
JIOC	Volatile Organic Compounds

Main references and sources of data in the literature

- Regulation (EC) No 1907/2006 (REACH), as amended by (EU) 2020/878
- Regulation (EC) No 1272/2008 (CLP, EC GHS)

	List of relevant phrases (code and full text as defined in Section 2 and 3)
Code	Text
H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic organisms with a long-lasting effect
	List of safe handling instructions used in the safety document
P102	Keep out of reach of children
P261	Avoid breathing vapours
P264	Wash hands thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P284	[In case of insufficient ventilation] Wear respiratory protection
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting
P302 + P352	IF ON SKIN: Wash thoroughly with water..../
P333 + P313	If skin irritation or a rash occurs: Get medical advice/attention.
P391	Collect spillage
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container to an approved disposal site in accordance with local and national regulations

Other information

:

In accordance with general product specification:
The information in this material safety data sheet is meant to



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represent typical data/analysis for this product and was obtained from current and reliable sources. To the best of our knowledge, data is accurate and based on our knowledge and information, at the time of publication. The information presented is intended only as a guidance for proper and safe use, handling, storage, transportation and disposal, and should not be considered a guarantee /expressed or implied/ or a quality specification with respect to the correctness or accuracy. It is responsibility of the user to determine any safe conditions for use of this product, and to assume responsibility for any loss, injury, damage or expenses resulting from the improper use of this product. The information relates to the specific product only and is not valid when it used in combination with other materials or in any process, unless specified in the text. The information provided does not constitute a delivery contract; regarding any specification or a given application, the buyer must determine for himself the requirements and recommendations for use of the product.

Disclaimer :

The data in this Safety Data Sheet correspond to the fair presentation of our experience at the time of printing. The information should give you basic guidelines for safe handling of this product, specified in the Safety Data Sheet, regarding its storage, processing, transport and disposal. Data cannot be assigned to other products. If the product is mixed or processed with other materials, or if it is subject to processing, the data in this Safety Data Sheet cannot be assigned to the new material unless expressly stated otherwise.

The information provided is intended only as a guide to safe handling, use, processing, storage, transportation, disposal and release and should not be considered a warranty or quality specification.

Due to the many factors beyond our control in the use of this product, we cannot accept responsibility for accidents, mishaps, loss or damage caused by its use.

END!



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LIST OF 26 ALLERGEN SUBSTANCES / ANNEX III TO REGULATION (EC) NO 1223/2009

Customer: "ALTEYA ORGANICS" LLC – 1. "Rozovarna" St., Yagoda village, 6167, Stara Zagora
salesbg@alteya.com, http://alteya.com, +359 700 15 502

Name of product: Органично масло от Ветивер / VETIVERIA ZIZANOIDES ROOT OIL

NAME OF SUBSTANCES		REMARK	CAS №	EINECS №	NATURAL %	SYNTHETIC %	TOTAL %
1	AMYL CINNAMAL	H317; H411	122-40-7	204-541-5	-	-	-
2	AMYL CINNAMYL ALCOHOL	H315; H317	101-85-9	202-982-8	-	-	-
3	ANISE ALCOHOL	H302; H318 H317	105-13-5	203-273-6	-	-	-
4	BENZYL ALCOHOL	H332; H302	100-51-6	202-859-9	-	-	-
5	BENZYL BENZOATE	H302	120-51-4	204-402-9	-	-	-
6	BENZYL CINNAMATE	H317; H411	103-41-3	203-109-3	-	-	-
7	BENZYL SALICYLATE	H317; H411	118-58-1	204-262-9	-	-	-
8	CINNAMAL	H312; H315 H317	104-55-2	203-213-9	-	-	-
9	CINNAMYL ALCOHOL	H317	104-54-1	203-212-3	-	-	-
10	CITRAL	H315; H317	5392-40-5	226-394-6	-	-	-
11	CITRONELLOL	H315; H317 H411	106-22-9	203-375-0	-	-	-
12	COUMARIN	H302; H317	91-64-5	202-086-7	-	-	-
13	EUGENOL	H319; H317	97-53-0	202-589-1	-	-	-
14	FARNESOL	H315; H319	4602-84-0	225-004-1	-	-	-
15	ALPHA-ISOMETHYL IONONE	H412	127-51-5	204-846-3	-	-	-
16	GERANIOL	H315; H317	106-24-1	203-377-1	-	-	-
17	HEXYL CINNAMAL	H317;	101-86-0	202-983-3	-	-	-
18	HYDROXYCITRONELLAL	H319; H317	107-75-5	203-518-7	-	-	-
19	ISOEUGENOL	H312; H302 H319; H315 H317	97-54-1	202-590-7	-	-	-
20	BUTYLPHENYL METHYLPROPIONAL (LILIAL)	H317	80-54-6	201-289-8	-	-	-
21	LIMONENE	H226; H315 H317; H411	5989-27-5	227-813-5	-	-	-
22	LINALOOL	H315	78-70-6	201-134-4	-	-	-
23	HYDROXYISOHEXYL 3- CYCLOHEXENE CARBOXALDEHYDE (LYRAL)	H317	31906-04-4	250-863-4	-	-	-
24	METHYL 2-OCTYNOATE	H302; H317	111-12-6	203-836-6	-	-	-
25	EVERNIA FURFURACEA LICHEN EXTRACT (TREETMOSS EXTRACT)	H317	90028-67-4	289-860-8	-	-	-
26	EVERNIA PRUNASTRI (OAK MOSS)	H317	90028-68-5	289-861-3	-	-	-

According to Regulation EO 1223/2009 is hereby amended as follows:

The presence of the substance must be indicated in the list of ingredients referred to in Article 6(1)(g) when its concentration exceeds:— **0,001 %** in "leave-on" products, (and)— **0,01 %** in "rinse-off" products