

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** VETIVER**REACH registered number(s):** NOT PRE-REGISTERED**CAS number:** 8016-96-4**EINECS number:** 282-490-8**Synonyms:** VETIVER OIL

VETIVERT OIL

KHAS-KHAS GRASS OIL

INCI name: Vetiveria zizanoides Root Oil**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Used in production of household, personal care, fragrances and aromatherapy.**1.3. Details of the supplier of the safety data sheet****Company name:** Naissance

Unit 9 Milland Road

Industrial Estate

Neath

Neath Port Talbot

SA11 1NJ

Tel: 0800 0430 826**Email:** info@naissance.co.uk**1.4. Emergency telephone number****Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Skin Sens. 1: H317; Eye Irrit. 2: H319; Skin Irrit. 2: H315**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.**2.2. Label elements****Label elements:****Hazard statements:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark

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Signal words: Warning

Precautionary statements: P233: Keep container tightly closed.
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Non-classified ingredients:

VERIVEROL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-949-5	89-88-3	-	-	30-50%

Contains: This is a natural substance. The substance has a natural variability in its composition and has not been rectified by the producer. It is obtained by steam distillation of roots of botanical grass *Vetiveria zizanioides*.

7 – 16%: Khusimol: CAS 16223-63-5: EC Not listed

2.5 – 6%: Beta-Vetivenene: CAS 27840-40-0: EC Not listed

1.5 – 6%: Alpha-Vetivone: CAS / EC Not listed

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash well with water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor if symptoms develop.

Ingestion: Do not induce vomiting. Drink plenty of water if ingested. If swallowed seek medical advice immediately.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: Essentially non-toxic at 2000 mg/kg. Causes skin irritation. Can cause degreasing with irritation.

Eye contact: Vapour or spray in the eyes may cause irritation and smarting. Causes serious eye damage.

Ingestion: No data available.

Inhalation: Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

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Delayed / immediate effects: No data available.

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

Immediate / special treatment: Depending on the level/type of exposure, small levels can be treated by first aider. Larger contact or if symptoms persist, seek medical help immediately First Aider protection - Use personal equipment as described in section 8 if substance is present. No specific first aid measures noted.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Dry chemical powder. Foam. Vaporising liquids

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In the event of a fire the following may be formed: Carbon monoxide (CO) , Carbon dioxide (CO₂). Moderate explosion hazard when exposed to flame.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. When heated and in case of fire, toxic vapours/gasses may be formed Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment. wear gloves Wear goggles In case of spills, beware of slippery floors and surfaces Shut off all sources of ignition

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Keep away from surface and ground water. Keep away from soil

6.3. Methods and material for containment and cleaning up

Clean-up procedures: For small spills, wash area with detergent and water. For larger spills contain with earth sand or similar inert absorbant material and both liquids and solids transfered to salvage containers and arrange for disposal by disposal company. Wash spilled area with water and detergent.

6.4. Reference to other sections

Reference to other sections: No data found

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid spills, skin and eye contact. Ensure there is sufficient ventilation of the area. Apply

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good manufacturing practice and industrial hygiene practices. Wash area with hot water and detergent

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Must be stored and transported in accordance with local regulations. Store in tightly closed container in a dry, cool and well ventilated place. Protect from freezing and direct sunlight Shelf life - 36 months when stored within advised conditions, re-test every 12 months thereafter for a possible further 24 months.

Suitable packaging: Glass. Steel drums. Aluminium containers. Stainless steel.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection: Use chemical resistant gloves

Eye protection: Safety glasses.

Skin protection: Protective clothing. Apron.

Environmental: No additional data available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Viscous liquid

Colour: light to dark brown

Odour: Characteristic, fresh, sweet woody, smokey

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Almost insoluble

Viscosity: No data available.

Boiling point/range°C: Not applicable.

Flammability limits %: lower: No data available.

Flash point°C: 93.33

Autoflammability°C: No data available.

Relative density: 0.98 - 1.00

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: 0.352Pa(0.00264mmHg)

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pH: No data available.

VOC g/l: No data available.

9.2. Other information

Other information: Refractive index ~ 1.485 - 1.53 @ 20°C

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under normal ambient temperatures. Good stability under normal storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Will not polymerise Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Conditions to avoid: Heat. Flames. Sources of ignition. Only use in well ventilated area

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong Alkalis.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of nitrogen oxides. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated

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Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: Essentially non-toxic at 2000 mg/kg Causes skin irritation Can cause degreasing with irritation.

Eye contact: Vapour or spray in the eyes may cause irritation and smarting. Causes serious eye damage

Ingestion: No data available.

Inhalation: Potential irritant. Over exposure at high levels may result in mucous membrane irritation of the nose and throat with coughing.

Delayed / immediate effects: No data available.

Other information: May cause allergic contact eczema. Prolonged or repeated exposure may cause the following adverse effects: Allergic rash. Get medical attention. Persons with rash are directed to skin expert for examination of allergic eczema

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Uncertain.

12.4. Mobility in soil

Mobility: Moderately mobile

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

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13.1. Waste treatment methods

Disposal operations: Dispose of in accordance with local regulations Contact local waste disposal authority for advice, or pass to a chemical disposal company. Ensure compliance with local, state and federal regulations Waste is suitable for incineration

Recovery operations: No additional data available.

Disposal of packaging: No additional data available.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the. Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission. Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

15.2. Chemical Safety Assessment

Chemical safety assessment: No data found

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.