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Safety Data Sheet

Organic Vetivert Essential Oil (*Vetiveria zizanoides*)

01. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

Product Name	Vetivert oil Java Organic				
Biological Definition	The volatile oil obtained by steam distillation of the roots of the dried grass <i>Vetivera zizanoides</i> Stapf.				
INCI Name	Vetiveria zizanoides root oil				
Synonyms & Trade Names	Vetiver oil				
Supplier	NHR Organic Oils, 24 Chatham Place, Brighton, BN1 3TN, UK. Emergency Tel No: 0845 310 8066				
Reach Registration Number <small>(According to EU Reg 1907/2006)</small>	N/A				
FEMA No.	N/A	FDA No.	172.510	CoE No.	479
CAS-No	8016-98-4	EC No.	282-490-8	EINECS No.	282-490-8

02. HAZARDS IDENTIFICATION

Classification (1999/45)	Xi; R36/38-43, S24-26-37
Classification (EC 1272/2008)	UN-GHS: SCI 2, EDI 2A, SS 1 EU-CLP: SCI 2, EDI 2, SS 1
Label in accordance with (EC) No 1272/2008	 GHS07
Signal Word	Warning
Contains	Vetiverol
Hazard Statements	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation
Precautionary Statements	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation
Supplementary Precautionary Statements	- - -
PBT or vPvB according to Annex XIII	No
Adverse physio-chemical properties	Combustible but will not self-ignite
Adverse effects on human health	May cause skin or eye sensitisation

03. COMPOSITION/INFORMATION ON INGREDIENTS

Vetiverols 55% UN-GHS SCI 2, EDI 2A, SS 1

04. FIRST AID MEASURES

General Information	See categories below
Inhalation	Remove from exposure area to fresh air. Contact a doctor if necessary.
Ingestion	Wash mouth out with water and obtain medical advice immediately.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists or there is any sign of tissue damage.
Eye Contact	Flush with plenty of water and seek medical advice if necessary.

05. FIRE-FIGHTING MEASURES

Extinguishing Media	Use CO ₂ , Dry Powder or Foam type extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.
Special Fire Fighting Procedures	Wear protective clothing. Avoid inhalation of vapours.
Specific Hazards	None
Protective Measures in Fire	Closed containers may build up pressure when exposed to heat and should be cooled with water spray



06. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Maintain good occupational and personal hygiene. Avoid contact with skin and eyes
Environmental Precautions	Do not discharge directly into drains or soil. Keep away from surface and ground water
Spill Clean Up Methods	Soak up spillage with sand or other inert material. Transfer soaked material to suitable waste container and dispose according to prevailing regulations.

07. HANDLING AND STORAGE

Usage Precautions	Apply good manufacturing practice & industrial hygiene practices, ensuring proper workplace ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.
Storage Precautions	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment	  Goggles Gloves
Engineering Measures	Ensure good ventilation of working area.
Respiratory Equipment	As required
Hand Protection	Avoid all skin contact. Use chemically resistant gloves if required.
Eye Protection	Use safety glasses.

Other Protection	As required
Hygiene Measures	Wash hands with soap & water after handling.

09. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous liquid
Colour	Brown-orange to red
Odour	Woody, warm
Relative Density	0.977 to 1.012 @ 20°C
Flash Point (°C)	100 c/c
Refractive Index	1.510 to 1.528 @ 20°C
Melting Point (°C)	No additional data available
Boiling Point (°C)	185 to 190
Vapour Pressure	No additional data available
Solubility in Water @20°C	2.15mg/L @ 25°C (est.)
Auto-ignition temperature (°C)	No additional data available

10. STABILITY AND REACTIVITY

Stability	It presents no significant reactivity hazards, by itself or in contact with water.
Conditions to Avoid	Avoid storage temperatures above 25°C
Materials to Avoid	Avoid contact with strong acids, alkalis and oxidising agents.
Hazardous Decomposition Products	Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.

11. TOXOLOGICAL INFORMATION

Acute Toxicity	Acute oral toxicity: LD ₅₀ orl-rat >5000 mg/kg <i>FACT</i> (1974) 12 , 1013. Acute dermal toxicity: LD ₅₀ : skn-rbt: >5000.00 mg/kg <i>FACT</i> (1974) 12 , 1013.
Skin corrosion / irritation	Classified as Category 2 under GHS & CLP following EU 1272/2008
Serious eye damage / irritation	Classified as Category 2A under GHS following EU 1272/2008 Classified as Category 2 under EU-CLP following EU 1272/2008
Respiratory or skin sensitisation	Classified as skin sensitizer Category 1 under GHS and CLP following EU 1272/2008
Germ Cell Mutagenicity	Oil of Vetiver Java contains no known mutagens. Not classed as mutagenic by IARC, NTP, EPA, Calif Prop 65 & TRI
Carcinogenicity	Oil of Vetiver Java contains no known carcinogens. Not classed as carcinogenic by IARC, NTP, EPA, Calif Prop 65 & TRI
Reproductive toxicity	Not classed as reprotoxic by any agency.

STOT-single exposure	No additional data available
STOT-repeated exposure	No additional data available
Aspiration hazard	No additional data available
Photo-toxicity	Not considered photo-toxic
Other Information	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	No additional data available
Mobility	No additional data available
Persistence & Biodegradability	No additional data available
Bioaccumulation Potential	No additional data available
PBT Assessment Results	No additional data available
Precautions	Do not discharge into the environment especially into watercourses.

13. DISPOSAL CONSIDERATIONS

Disposal Methods	Do not release into the environment. Collect waste into suitable containers and contact hazardous chemical disposal company.
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14. TRANSPORT INFORMATION

Warning Icon	Not regulated for transport
Proper Shipping Name	Not subject to ADR
UN No. Road	Not applicable
ADR Class	Not subject to ADR
Hazard No (ADR)	Not regulated
Hazchem Code	Not applicable
UN No. SEA	Not applicable
IMDG Class	Not applicable
IMDG Pack Gr.	Not applicable
EMS	Not applicable
UN No. AIR	Not applicable
Air Class	Not applicable
Air Pack Gr.	Not applicable

15. REGULATORY INFORMATION

EU Directives	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No
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	1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply Regulations 2009 (S.I. 2009 No 716).
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations
Guidance Notes	Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

16. OTHER INFORMATION

Revision Date	12/2014
Rev No/Repl, SDS Generated	1
Risk Phrases in Full	R36/38 Irritating to eyes and skin R43 May cause sensitisation by skin contact.
Hazard Statements in Full	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation
Other Information	Workplace Exposure Limits EH40. CHIP for everyone HSG 108

DISCLAIMER: This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.