



Safety Data Sheet

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

1.1 Product Identifier					
Product Name		Vetivert Oil			
Biological Definition		Vetiveria Zizanoides Root Oil is an essential oil distilled from the dried roots of the Vetivert, <i>Vetiveria zizanoides</i> , <i>Poaceae</i> .			
INCI Name		Vetiveria Zizanoides Root Oil			
Synonyms & Trade Names		-			
CAS-No	8016-96-4 / 84238-29-9	EC No.	282-490-8	EINECS No.	282-490-8
1.2 Relative identified uses of the substance or mixture and uses advised against					
For industrial use by professionals only.					
1.3 Details of the supplier of the safety data sheet					
Golden Bough Botanicals Inc 12-1585 Cliveden Ave Delta BC V3M 6M1					
1.4 Emergency Tel. No.		604-540-8700 (Monday-Friday 8:30 am-4:30 pm)			

02. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
The full text for all hazard statements displayed in section 16.	
Classification (EC 1272/2008)	
Physical and Chemical Hazards:	Not classified.
Human health:	Skin Sens. 1 - H317
Environment:	Not Classified.
2.2 Label Elements	
Label in accordance with (EC) No 1272/2008	
GHS07	
Signal Word	Warning.
Contains	Vetyverol
Hazard Statements	
H317 May cause an allergic skin reaction.	
Precautionary Statements	
P261 Avoid breathing vapour/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment (see medical advice on this label).	

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container in accordance with national regulations.	
Supplementary Precautionary Statements	
None.	
2.3 Other Hazards	
PBT or vPvB according to Annex XIII	No additional data available.
Adverse physio-chemical properties	No additional data available.
Adverse effects on human health	No additional data available.

03. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures		
30.0 – 60.0% Vetyverol	CAS-No: 89-88-3	EC No: 201-949-55
Classification (EC 1272/2008)	Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1 - H317	
1.0 – 5.0% Eugenyl Acetate	CAS-No: 93-28-7	EC No: 202-235-6
Classification (EC 1272/2008)	Acute Tox. 4 - H302	

04. FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	Remove affected person from source of contamination. Get medical attention if any discomfort continues.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
4.2 Most important symptoms and effects, both acute and delayed	
Skin contact: Irritating to skin.	
4.3 Indication of any immediate medical attention and special treatment needed	
No additional data available.	

05. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	
Suitable extinguishing media: Water spray, dry powder or carbon dioxide. Fight larger fires with water spray or alcohol resistant foam.	
Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.	
5.2 Special hazards arising from the product	
In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be liberated. Burning produces heavy smoke.	
5.3 Advice for firefighters	
Use protective equipment appropriate for surrounding materials.	


06. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin. Avoid inhalation of vapours.
6.2 Environmental Precautions
Do not discharge into drains, water courses or onto the ground.
6.3 Methods and material for containment and cleaning up.
Absorb spillage with inert, damp, non-combustible material. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
6.4 Reference to other sections
For personal protection, see Section 8.

07. HANDLING AND STORAGE

7.1 Precautions for safe handling
Provide adequate ventilation. Apply good manufacturing practice and industrial hygiene practices. Keep containers sealed when not in use.
7.2 Conditions for safe storage, including any incompatibilities
Keep away from heat, sparks and open flame. Store in tightly-closed, original container in a dry, cool and well-ventilated place.
7.3 Specific end use(s)
No additional data available.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
No additional data available.	
8.2 Exposure controls	
Protective Equipment	
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Generally unnecessary in a well ventilated area. If ventilation is insufficient, respiratory protection must be worn.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear apron or protective clothing in case of contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Avoid inhalation and contact with skin and eyes.
Skin Protection	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

09. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	
Appearance	Viscous liquid, brown orange to red.
Colour	Brown Orange to Red.
Odour	Characteristic.
Relative Density	0.960 – 1.012 @ 20°C
Flash Point (°C)	100
Refractive Index	1.510 - 1.530 @ 20°C
Melting Point (°C)	No additional data available.
Boiling Point (°C)	No additional data available.
Vapour Pressure	No additional data available.
Solubility in Water @20°C	No additional data available.
Auto-ignition temperature (°C)	No additional data available.
9.2 Other information	
No additional data available.	

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No additional data available.	
10.2 Chemical stability	
Stable under normal temperature conditions and recommended use.	
10.3 Possible hazardous reactions	
No additional data available.	
10.4 Conditions to Avoid	
Avoid heat, flames and other sources of ignition.	
10.5 Incompatible materials	
Avoid bases, strong acids and oxidising agents.	
10.6 Hazardous Decomposition Products	
No additional data available.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	Acute toxicity - oral ATE oral (mg/kg) 26,315.79
Skin corrosion / irritation	No additional data available.
Serious eye damage / irritation	No additional data available.
Respiratory or skin sensitisation	No additional data available.
Germ Cell Mutagenicity	No additional data available.
Carcinogenicity	No additional data available.
Reproductive toxicity	No additional data available.
STOT-single exposure	No additional data available.
STOT-repeated exposure	No additional data available.
Aspiration hazard	No additional data available.
Photo-toxicity	No additional data available.

Other Information	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
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12. ECOLOGICAL INFORMATION

12.1 Toxicity
No additional data available.
12.2 Persistence & degradability
No additional data available.
12.3 Bioaccumulation Potential
No additional data available.
12.4 Mobility in soil
No additional data available.
12.5 Results of PBT and vPvB Assessment
No additional data available.
12.6 Other adverse effects
No additional data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Dispose of waste product or used containers in accordance with local regulations.

14. TRANSPORT INFORMATION

14.1 UN number	
UN No. Road	Not bound by transport regulations.
UN No. SEA	Not bound by transport regulations.
UN No. AIR	Not bound by transport regulations.
14.2 UN proper shipping name	
Not bound by transport regulations.	
14.3 Transport hazard class(es)	
Not bound by transport regulations.	
14.4 Packing group	
Not bound by transport regulations.	
14.5 Environmental hazards	
None.	
14.6 Special precautions for user	
None.	
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code	
No additional data available.	

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

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.

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.
Other Information	None
Revision Date	July 26, 2016
Reason for revision	Update to new format
Rev No/Repl, SDS Generated	02 replaces 01

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