


## MATERIAL SAFETY DATA SHEET

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

<b>1.1 Product Identifier</b>					
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
<b>1.2 Relative identified uses of the substance or mixture and uses advised against</b>					
For industrial use by professionals only.					
<b>1.3 Details of the supplier of the safety data sheet</b>					
NTM UK LTD, 69 Bethel Street, Norwich, Norfolk, United Kingdom NR2 1NR					
<b>1.4 Emergency Tel. No.</b>			+44(0)1603 610883		

### 02. HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
The Full Text for all Hazard Statements is displayed in Section 16.	
Classification (EC 1272/2008)	
Physical and Chemical Hazards: Not classified. Human health: Skin sens. 1-H317 Environment: Not Classified	
<b>2.2 Label Elements</b>	
Label in accordance with (EC) No 1272/2008	
GHS07	
	
Signal Word	Warning
Contains	Vetyverol
<b>Hazard Statements</b>	
H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.	

## 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

<b>3.2 Mixtures</b>
<b>30.0 – 60.0% Vetyverol</b> 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
<b>1.0 – 5.0% Eugenyl Acetate</b> CAS-No: 93-28-7 EC No: 202-235-6 Classification (EC 1272/2008) Acute Tox. 4 - H302

## 04. FIRST AID MEASURES

<b>4.1</b>	<b>Description of first aid measures</b>
Inhalation	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. Do not induce vomiting. Rinse mouth with water
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
<b>4.2</b>	<b>Most important symptoms and effects, both acute and delayed</b>
	Skin contact: Irritating to skin.
<b>4.3</b>	<b>Indication of any immediate medical attention and special treatment needed</b>
	No additional data available.

## 05. FIRE-FIGHTING MEASURES

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


## 06. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions, protective equipment and emergency procedures</b>
Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin. Avoid inhalation of vapours.
<b>6.2 Environmental Precautions</b>
Do not discharge into drains, water courses or onto the ground.
<b>6.3 Methods and material for containment and cleaning up.</b>
Absorb with inert, non-combustible, inorganic absorbent material, sweep up and remove to an approved disposal container.
<b>6.4 Reference to other sections</b>
For personal protection, see Section 8.

## 07. HANDLING AND STORAGE

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

## 08. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>8.1 Control parameters</b>	
No additional data available.	
<b>8.2 Exposure controls</b>	
Protective Equipment	
	
Process Conditions	Eye bath.
Engineering Measures	Provide adequate ventilation.
Respiratory Equipment	Protection not required if good ventilation is maintained. Use inhalation protection in poorly ventilated areas.
Hand Protection	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear rubber apron.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils. Keep away from foodstuffs, beverages and feed.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Avoid inhalation and contact with skin and eyes.
Environmental Exposure Controls	Avoid discharging into drainage water. Only eliminate by authorised companies.

## 09. PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
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.

<b>9.2 Other information</b>	
No additional data available.	

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	No additional data available.
<b>10.2 Chemical stability</b>	Stable under the recommended handling and storage conditions.
<b>10.3 Possible hazardous reactions</b>	No additional data available.
<b>10.4 Conditions to Avoid</b>	Avoid heat, sparks and open flames.
<b>10.5 Incompatible materials</b>	<b>Materials to Avoid:</b> Strong acids, alkali or oxidising agents.
<b>10.6 Hazardous Decomposition Products</b>	No additional data available.

## 11. TOXOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>	
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.
Photo-toxicity	No additional data available.
Other Information	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.
<b>12.2 Persistence &amp; degradability</b>	Degradability: No additional data available.
<b>12.3 Bioaccumulation Potential</b>	Bioaccumulative potential: No data available on bioaccumulation.
<b>12.4 Mobility in soil</b>	No additional data available.
<b>12.5 Results of PBT and vPvB Assessment</b>	No additional data available.
<b>12.6 Other adverse effects</b>	No additional data available.

### 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>
Dispose of in compliance with all local and national regulations.

### 14. TRANSPORT INFORMATION

<b>14.1 UN number</b>	
UN No. Road	Not Regulated
UN No. SEA	Not Regulated
UN No. AIR	Not Regulated
<b>14.2 UN proper shipping name</b>	
None	
<b>14.3 Transport hazard class(es)</b>	
ADR/RID/ADN Class:	Not Regulated
ICAO Class/Division:	Not Regulated
IMDG Class:	Not Regulated
Transport Labels	
-	
<b>14.4 Packing group</b>	
ADR/RID/ADN Packing group	Not Regulated
IMDG Packing group	Not Regulated
ICAO Packing group	Not Regulated
<b>14.5 Environmental hazards</b>	
-	
<b>14.6 Special precautions for user</b>	
None	
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code</b>	
No additional data available.	



## 15. REGULATORY INFORMATION

<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
<p>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.</p>	
<b>15.2</b>	<b>Chemical safety assessment</b>
No additional information available.	

## 16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H319 Causes serious eye irritation.            H302 Harmful if swallowed.            H402 Harmful to aquatic life.            H317 May cause an allergic skin reaction.            H411 Toxic to aquatic life with long lasting effects.            H401 Toxic to aquatic life.</p>
Other Information	None.
Revision Date	24/09/2018
Reason for revision	Updated New Format SDS.
Rev No/Repl, SDS Generated	02

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