

1511305

CHEMICAL SAFETY DATA SHEET according to 2020/878/EC (1907/2006/EC Article 31)

> Reviewed on: 27.02.2023 Printing date: 15.03.2023

	Printing date: 15.03.2
SECTION 01: Identification of the substance/mixture and of the company/	undertaking
1.1 Product identifier	
 Trade name: VETIVER MADAGASCAR ORGANIC OIL Article number: N1350 CAS Number: 8016-96-4 EC Number: 282-490-8 No CAS EINECS: 84238-29-9 Registration number 01-2120119716-55-0002 	
1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation Perfume ingredient Only for industrial use	
1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: BIOLANDES, BP2 TEL: +33(0)5.58.51.00.00 2760 Route de Bélis email: fds@biolandes.com 40420 LE SEN FRANCE	
1.4 Emergency telephone number: FR-ORFILA (INRS):+33(0)1 45 42 59 59	
 Classification according to Regulation (EC) No 1272/2008 GHS07 Skin Irrit. 2 - H315 Causes skin irritation. Eye Irrit. 2 - H319 Causes serious eye irritation. 	
Skin Sens. 1 - H317 May cause an allergic skin reaction. GHS09 Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting	
effects. 2.2 Label elements • Labelling according to Regulation (EC) No 1272/2008 - Hazard pictograms	
GHS07 GHS09 - Signal word Warning	
 Hazard statements H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. Precautionary statements 	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling.	



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PRODUCT : V	ETIVER MADAGASCAR ORGANIC OIL	(continued of page 1)
P302+P352 IF	ease to the environment. ON SKIN: Wash with plenty of water. of contents/container in accordance with local/regional/ national/	(, , , , , , , , , , , , , , , , , , ,
 PBT: Not applicable vPvB: Not applicable 	3T and vPvB assessment on of endocrine-disrupting properties	
	omposition/information on ingredients	
3.1 Substances CAS No. 8016-96-4 Chry	Description /sopogon zizanioides (L.) Roberty (Syn a zizanioides (L.) Nash)	
Dangerous c	omponents:	
CAS Number 15764-04-2	alpha-Vetivone EC number: 239-855-1	% 5,001-10,00
97-54-1	 Skin Sens. 1B - H317 isoeugenol EC number: 202-590-7 Acute Tox. 4 - H302, Acute Tox. 4 - 	0,101-1,00
469-61-4	H312, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, Skin Sens. 1A - H317; Skin Sens. 1A; H317: C >= 0,01 % alpha-Cedrene EC number: 207-418-4	0,101-1,00
98-01-1	Acute 1 - H400 (M=10), Aquatic Chronic 1 - H410 (M=10) 2-furaldehyde	0,101-1,00
	EC number: 202-627-7	
	Tox. 4 - H312, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335; 🚸	
	Carc. 2 - H351; Aquatic Chronic 3 - H412	

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
 - Seek immediate medical advice.
- After inhalation:
- After Initiation: Supply fresh air and to be sure call for a doctor.
 After skin contact: If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water.

(continued on page 3)



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PRODUCT :	VETIVER MADAGASCAR ORGANIC OIL
A ()	(continued of page 2)
After eye Rinse one	e contact: ned eye for several minutes under running water. If symptoms persist, consult a doctor.
 After swa 	
	iediate medical advice.
	ion for doctor:
4.2 Most im	nportant symptoms and effects, both acute and delayed
	elevant information available.
	ion of any immediate medical attention and special treatment needed elevant information available.
OF OTTON OF	
SECTION 05:	: Firefighting measures
	uishing media
	extinguishing agents:
CO2, sand	d, extinguishing powder. Do not use water. xtinguishing methods suitable to surrounding conditions.
	ry reasons unsuitable extinguishing agents:
Water wit	
5 2 Special	hazards arising from the substance or mixture
	toxic gases is possible during heating or in case of fire.
5 3 Advice	for firefighters
	re equipment:
Do not inf	hale explosion gases or combustion gases.
	al information
	ingered receptacles with water spray.
SECTION 06:	: Accidental release measures
	al precautions, protective equipment and emergency procedures
	ive equipment. Keep unprotected persons away.
	uate ventilation
Reep away II	rom ignition sources.
	nmental precautions:
	product to reach sewage system or any water course.
Inform respe	ective authorities in case of seepage into water course or sewage system.
6.3 Method	ls and material for containment and cleaning up:
	aminated material as waste according to item 13.
Ensure adequ	uate ventilation.
6.4 Referer	nce to other sections
	7 for information on safe handling.
See Section	8 for information on personal protection equipment. 13 for disposal information.
See Section	: Handling and storage
See Section SECTION 07	: Handling and storage
See Section SECTION 07 7.1 Precaut Keep recepta	tions for safe handling acles tightly sealed.
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr	tions for safe handling acles tightly sealed. rom heat and direct sunlight.
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace.
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See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good Prevent form Handle with	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace. lation of aerosols. care. Avoid jolting, friction and impact.
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good Prevent form Handle with • Informat	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace. nation of aerosols.
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good Prevent form Handle with • Informat Keep ignit	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace. ation of aerosols. care. Avoid jolting, friction and impact. cion about fire - and explosion protection:
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good Prevent form Handle with Informat Keep ignit Protect ag	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace. lation of aerosols. care. Avoid jolting, friction and impact. cion about fire - and explosion protection: tion sources away - Do not smoke.
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good Prevent form Handle with • Informat Keep ignit Protect ag 7.2 Conditii Storage:	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace. lation of aerosols. care. Avoid jolting, friction and impact. cion about fire - and explosion protection: tion sources away - Do not smoke. jainst electrostatic charges. ons for safe storage, including any incompatibilities
See Section SECTION 07 7.1 Precaut Keep recepta Keep away fr Ensure good Prevent form Handle with • Informat Keep ignit Protect ag 7.2 Conditii Storage:	tions for safe handling acles tightly sealed. rom heat and direct sunlight. ventilation/exhaustion at the workplace. lation of aerosols. care. Avoid jolting, friction and impact. cion about fire - and explosion protection: tion sources away - Do not smoke. jainst electrostatic charges.



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(continued on page 5)

	IVER MADAGASCAR ORGANIC OIL	
Store only in the c		
 Use only receptacl Information abo Not required. Further informat Keep container tig Protect from heat 	original receptacle. ge into the ground. es specifically permitted for this substance/ product. ut storage in one common storage facility: tion about storage conditions: htly sealed. and direct sunlight. n a well ventilated area.	(continued of page 3)
7.3 Specific end us No further relevant in		
SECTION 08: Expo	sure controls/personal protection	
Not required.Additional inform	n limit values that require monitoring at the workplace: nation:	
 8.2 Exposure contrained in a second second	ction measures, such as personal protective equipment ive and hygienic measures: ionary measures are to be adhered to when handling chemicals. bodstuffs, beverages and feed. we all soiled and contaminated clothing e breaks and at the end of work. es / fumes / aerosols. : / smoke / mist. the eyes. tection: posure or low pollution use respiratory filter device. In case of inter piratory protective device. ratory protective device in case of insufficient ventilation. nds: I has to be impermeable and resistant to the product/ the substance sts no recommendation to the glove material can be given for the pr ove material on consideration of the penetration times, rates of diffi- es tecturer to manufacturer. e of glove material mough time has to be found out by the manufacturer of the protective	/ the preparation. oduct/ the preparation/ the usion and the degradation further marks of quality and
SECTION 09: Phys	ical and chemical properties	
9.1 Information on bas	ic physical and chemical properties	
General Information Physical state	Fluid	
Colour:	orange-brown	
Odour:	woody	

276,0 °C

Not determined.

Flammability

Boiling point or initial boiling point and boiling range

Lower and upper explosion limit



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	(continued of page 4
Lower:	Not determined.
Upper:	Not determined.
Flash point:	119,0 °C NFT 60-103 CC
Decomposition temperature:	Not determined.
рН	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not determined.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	at 20,00 °C 0,0152 mbar
Density and/or relative density	
Density:	Not determined.
Relative density	1,0000 1,0200 D20/20
Vapour density	Not determined.
9.2 Other information	No further relevant information available.
Appearance:	
Form:	viscous sometimes cloudy liqu.
Important information on protection of hea	
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Solvent content:	0.00.0/
Solids content:	0,00 %
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard	
Explosives	not applicable
Flammable gases	not applicable
Aerosols	not applicable
Oxidising gases	not applicable
Gases under pressure	not applicable
Flammable liquids	not applicable
Flammable solids	not applicable
Self-reactive substances and mixtures	not applicable
Pyrophoric liquids Pyrophoric solids	not applicable
Self-heating substances and mixtures	not applicable not applicable
Substances and mixtures, which emit	not applicable
flammable gases in contact with water	
Oxidising liquids	not applicable
Oxidising solids	not applicable
Organic peroxides	not applicable
Corrosive to metals	not applicable

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SECTION 10: Stability 10.1 Reactivity No further relevant inform 10.2 Chemical stability 10.3 Possibility of haza No dangerous reactions kr 10.4 Conditions to avo No further relevant inform 10.5 Incompatible mat No further relevant inform 10.6 Hazardous decom Not determined. SECTION 11: Toxicoloo 11.1 Information on ha • Acute toxicity • LD/LC50 values rele	nation available. Ardous reactions nown. aid nation available. terials: nation available.		(continued of page 5
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Not determined. SECTION 11: Toxicolo 11.1 Information on ha • Acute toxicity • LD/LC50 values rele	position products:		
11.1 Information on haAcute toxicityLD/LC50 values rele			
11.1 Information on haAcute toxicityLD/LC50 values rele	nical information		
Acute toxicityLD/LC50 values rele	-	aulation (EC) No 1272/20	0.0
	azaru ciasses as uerineu in Re		106
8016-96-4 Chi	vant for classification:		
8016-96-4 Ch		ISO LD	/LC
	rysopogon zizanioides (L.) Robe tiveria zizanioides (L.) Nash)	erty (Syn	
Oral, LD50: >5000 mg,	/kg (rat) (OECD 401)		
97-54-1 iso	mg/kg (Rabbit) (OCED 402) eeugenol		
Oral, LD50: 1560 mg/k 98-01-1 2-ft	(rat) uraldehyde		
Oral, LD50: 65 mg/kg	(rat)		
 Primary irritant effect Skin corrosion/irritation 			
Irritant to skin and mu			
Causes skin irritation.Serious eye damage	/irritation		
Irritating effect.	.,		
Causes serious eye irrit			
 Respiratory or skin s Sensitization possible t 			
Germ cell mutagenie			
8016-96-4 Ch	rysopogon zizanioides (L.) Robe	erty (Syn	
	tiveria zizanioides (L.) Nash)	`	
 Carcinogenicity 	ATIVE (in vitro) (2010, REACH file	.)	
Not determined.			
Reproductive toxicity	У		
Not determined.STOT-single exposu	ro		
Not determined.			
 STOT-repeated expo 	osure		
Not determined.Aspiration hazard			
 Aspiration nazaru Not determined. 			
 Subacute to chronic 	toxicity:		
Not determined.	controlly i		
 II.2 Information on Endocrine disrupting 			
Substance is no	other hazards		
EU	other hazards properties		

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ECTION 12: E	Ecological information	
12.1 Toxicity		
 Aquatic tox 	icity:	
8016-96-4	Chrysopogon zizanioides (L.) Roberty (Syn	
	Vetiveria zizanioides (L.) Nash) 95 mg/l (daphnia) (OECD 202, 2004)): 9,1 mg/l (algae) (2010, REACH file)	
469-61-4 LD50: 0,099	alpha-Cedrene mg/l (daphnia)	
12.2 Persisten	ice and degradability	
8016-96-4	Chrysopogon zizanioides (L.) Roberty (Syn	
Not easily biode	n environmental systems:	
	nulative potential ant information available. in soil	
	ant information available.	
 PBT: Not applicabl vPvB: Not applicabl 12.6 Endocrine 		
 Ecotoxical e Not determin Remark: Toxic for fish Additional e General not Toxic for aqu 	ant information available. effects: ed. ecological information:	

13.1 Waste treatment methods

- Recommendation
- Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:
 - Disposal must be made according to official regulations.

14.1 UN number or	ID number
ADR	UN3082
IMDG	UN3082
ΙΑΤΑ	UN3082
14.2 UN proper ship ADR	oping name 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (VETIVERIA ZIZANOIDES)
	(continued on pag



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(continued of page 7) IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (VETIVERIA ZIZANOIDES) IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (VETIVERIA ZIZANOIDES) IA3 Transport hazard class(es) ADR 9 (M6) Miscellaneous dangerous substances and articles. Label Image: Class IMDG 9 (M6) Miscellaneous dangerous substances and articles. Label Image: Class IMDG 9 Miscellaneous dangerous substances and articles. Label Image: Class IATA Image: Class Image: Cl	RODUCT : VET	VER MADAGASCAR ORGANIC OIL
IATA ENVERONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (VETIVERIA ZIZANOIDES) 14.3 Transport hazard class(es) AR Class 9 (M6) Miscellaneous dangerous substances and articles. Label 9 Miscellaneous dangerous substances and articles. Marine pollutant: Yes 14.4 Packing group ADR 11 Miscellaneous dangerous substances and articles. Danger code (Kemley: 90 EMS Number: PA.S-F 14.7 Maritime transport in bulk according to IMO instruments vapplicable. MAR MAR MAR MAR MAR MAR MAR MAR MAR MAR	INDO	
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1.3.1 Transport hazard class(es) APR Class 9 (M6) Miscellaneous dangerous substances and articles. Label		
Label		
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Class 9 Miscellaneous dangerous substances and articles. Label Image: Class Sector	Label	9
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Class 9 Miscellaneous dangerous substances and articles. Label Image: Class Sector		
Class 9 Miscellaneous dangerous substances and articles. Label Image: Class Sector		9
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		Reviewed on: 27.02 Printing date: 15.03
PRODUCT :	VETIVER MADAGASCAR ORGANIC OIL	
ZIZANOIE	DES), 9, III	(continued of page 8)
SECTION 15	Regulatory information	
 DIRECTIV and elect Substance REGULAT Annex I under Ar Substance Annex II Substance Regulatio Substance Regulatio Commun Substance National Technica Class Shu I Waterhat Generally 	0,12 zard class: not hazardous for water.	tain hazardous substances in electrical limit value for the purpose of licensing
	cal safety assessment:	
A Chemical S	afety Assessment has not been carried out.	
SECTION 16:	Other information	
	ion in this safety data sheet is based on the state of our k	
information i to be conside areas thereof not be valid of this docun The required	n this sheet must be regarded as a description of the safe red a warranty or quality specification and have no contra . The information contained in this safety data sheet rela with respect to the product associated with another produ- nent. information complies with EU regulations in force. It does he national regulations in force.	actual value on properties and application te to the specific material designated and may ct or process, unless it is specified in the text
information i to be conside areas thereof of this docun The required applying all t • Relevant H226 H301 H302 H304 H312 H315 H317 H319 H330 H335 H351 H400 H410 H412 • Training Minimum	n this sheet must be regarded as a description of the safe red a warranty or quality specification and have no contra . The information contained in this safety data sheet rela with respect to the product associated with another produ- nent. information complies with EU regulations in force. It does he national regulations in force. phrases Flammable liquid and vapour. Toxic if swallowed. May be fatal if swallowed. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Fatal if inhaled. May cause respiratory irritation. Suspected of causing cancer. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.	actual value on properties and application te to the specific material designated and may ct or process, unless it is specified in the text s not exempt the user from knowing and or personnel who will handle this product, in the

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 - Version number of previous version: • 1.00

(continued on page 10)

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Reviewed on: 27.02.2023 Printing date: 15.03.2023

PRODUCT: **VETIVER MADAGASCAR ORGANIC OIL** (continued of page 9) • Abbreviations and acronyms: IFRA:International Fragrance Association IOFI:International Organization of the Flavor Industry ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ICAO: International Civil Aviation Organisation GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Sources IFRA/IOFI Labelling Manual, REACH registration dossier, supplier information • * Data compared to the previous version altered.