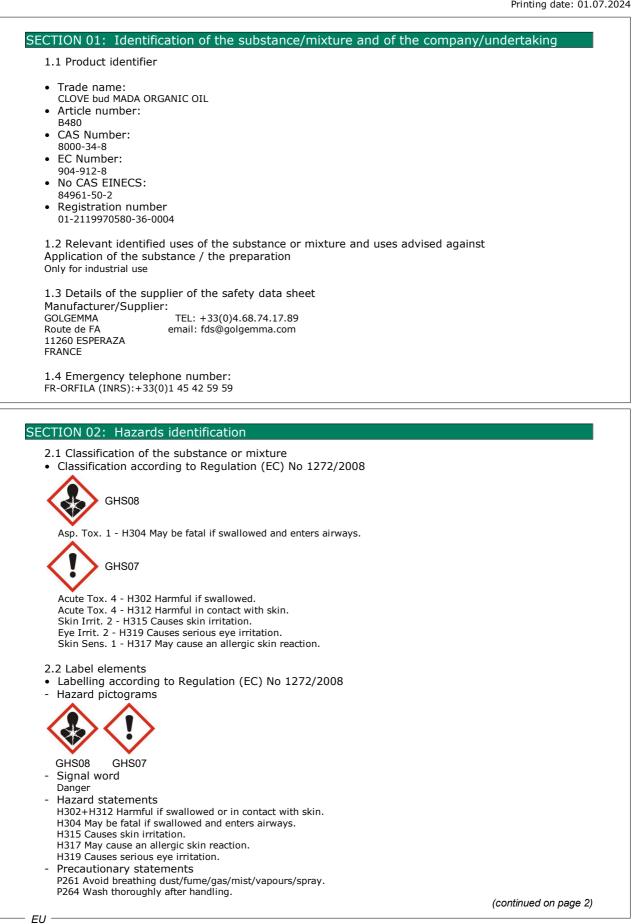


2888600

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



Reviewed on: 01.07.2024 Printing date: 01.07.2024



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

2888600

PRODUCT :	CLOVE bud MADA ORGANIC OIL	
P301+P310 I P405 Store lo	eat, drink or smoke when using this product. F SWALLOWED: Immediately call a POISON CENTER/ doctor. ocked up. e of contents/container in accordance with local/regional/ national/inte	(continued of page 1) ernational regulations.
 PBT: Not applicable vPvB: Not applicable Determinat 	PBT and vPvB assessment e.	
SECTION 03: 0	Composition/information on ingredients	
 3.1 Substance CAS No. 8000-34-8 Identificatio EC number 904-912-8 	Description Syzygium aromaticum (L.) Merr. & L.M.Perry (Syn : Eugenia caryophyllus (Sprengel) Bullock et S. Harrison) on number(s)	
Dangerous	components:	
CAS Number 97-53-0	EUGENOL EC number: 202-589-1	% 50,001-100
93-28-7	H317 EUGENYL ACETATE Acute Tox. 4 - H302	10,001-20,00
87-44-5	BETA-CARYOPHYLLENE EC number: 201-746-1 I Asp. Tox. 1 - H304; I Skin Sens.	5,001-10,00
119-36-8	1B - H317 METHYL SALICYLATE EC number: 204-317-7	0,101-1,000
98-01-1	3 - H412 2-furaldehyde EC number: 202-627-7 ♦ Acute Tox. 3 - H301, Acute Tox. 2 - H330; ♦ Flam. Liq. 3 - H226; ♦ Acute Tox. 4 - H312, Skin Irrit. 2 - H315, Eye	0,101-1,000
	Irrit. 2 - H319, STOT SE 3 - H335; 🚸 Carc. 2 - H351; Aquatic Chronic 3 - H412	
—— EU ————		(continued on page 3)



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CTION 04: First aid measures 4.1 Description of first aid measures 4.2 Description of first aid measures 4.3 Ceneral information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours aft the accident. Seek immediate medical advice. 4.3 After infaultation: Supply fresh air and to be sure call for a doctor. 4.4 Ter skin irritation continues, consult a doctor. 4.4 Ter skin irritation continues, consult a doctor. 4.4 Ter skin irritation continues, consult a doctor. 4.4 Ter swallowing: 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available. 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available. 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available. 5.1 Extinguishing media 5.1 Extinguishing media 5.1 Extinguishing media 5.2 Special hazards arising from the substance or mixture Formation of fuel gates is possible during heating or in case of fire. 5.3 Advice for firefighters 5.4 Advice for firefighters 5.5 Advice for firefighters 5.6 Advice for firefighters 5.7 Ordent's equipment: Do not inhele explosion gases or combustion gases. 5.8 Advice for firefighters 5.9 Advice for firefighters 5.1 Extinguishing spectation gases or combustion gases. 5.1 Advice for firefighters 5.2 Environmental precautions; Do not allow product to reach sewage system or any water course. 5.3 Advice for firefighters 5.4 Environmental precautions: Do not allow advice equipment: Do not inhele explosion gases or combustion gases. 5.4 Additional information sources 5.5 Advice for firefighters 5.6 Protective equipment and emergency procedures 5.7 Protective equipment and emergency procedures 5.8 Advice for firefighters 5.9 Ordential release measures 5.1 Extinguishing sources 5.2 Environmental precautions: Do not allow product to reach sewag		(continued of page 2)
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See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.	Ensure adequate ventilat	
See Section 8 for information on personal protection equipment.		



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PROD	DUCT :	CLOVE bud	MADA ORGAN	IC OIL			
SECT	TION 07:	Handling ar	id storage			(00)	ontinued of page 3)
		ons for safe ha					
		les tightly sealed					
		m heat and dire					
		entilation/exhau tion of aerosols.	stion at the workp	lace.			
			g, friction and impa	act.			
			and explosion p				
			- Do not smoke.				
	Protect aga	inst electrostatio	c charges.				
7.	2 Conditio	ns for safe sto	rage, including	any incompatibili	ties		
	orage:						
•				and receptacles:			
		in the original re ceptacles specifi		r this substance/ pr	oduct.		
•				on storage facilit			
	Not requir			J			
•	Further in	formation abo	ut storage condi	itions:			
		iner tightly seale n heat and direc					
		tacle in a well v					
7	3 Specific	end use(s)					
		evant informatio	n available.				
0201	10N 08:	Exposure co	ontrols/person	al protection			
8.	1 Control	parameters					
8.	1 Control Ingredier	parameters ts with limit va		al protection e monitoring at t	he workplace:		
8. •	1 Control Ingredier Not require	parameters ts with limit va			he workplace:		
8. •	1 Control Ingredier Not require Additiona	parameters ts with limit va d. I information:		e monitoring at t	he workplace:		
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	(continued of pa	ige 4)
ECTION 09: Physical and chemical p	properties	
9.1 Information on basic physical and chemic	cal properties	
General Information		
Physical state	Fluid	
Colour:	colourless to dark yellow	
Odour:	spicy	
Odour threshold:	Not determined.	
Melting point/freezing point:	-50,0 °C	
Boiling point or initial boiling point and boiling range	270,0 °C	
Flammability	Not determined.	
Lower and upper explosion limit		
Lower:	Not determined.	
Upper:	Not determined.	
Flash point:	141,0 °C NFT 60-103 CC	
Decomposition temperature:	Not determined.	
рН	Not determined.	
· Viscosity:		
Kinematic viscosity	Not determined.	
Dynamic:	Not determined.	
Solubility		
water:	at 20,00 °C 2,30 g/l	
Partition coefficient n-octanol/water (log value)	Not determined.	
Vapour pressure:	at 20,00 °C 0,0090 mbar	
Density and/or relative density		
Density:	Not determined.	
Relative density	1,0420 1,065 D20/20	
Vapour density	Not determined.	
9.2 Other information	No further relevant information available.	
Appearance:		
Form:	viscous	
Important information on protection of health	h and environment, and on safety.	
Auto-ignition temperature:	Not determined.	
Explosive properties:	Not determined.	
Solvent content:		
Solids content:	0,00 %	
Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical hazard cl	lasses	
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	not applicable	
Pyrophoric solids	not applicable	
Self-heating substances and mixtures	not applicable	



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Reviewed on: 01.07.2024

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PRODUCT : CLOVE bud MADA O	RGANIC OIL	
		(continued of page 5
Substances and mixtures, which emit flammable gases in contact with water	not applicable	
Oxidising liquids	not applicable	
Oxidising solids	not applicable	
Organic peroxides	not applicable	
Corrosive to metals	not applicable	
Desensitised explosives	not applicable	

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Not determined.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Acute toxicity Harmful if swallowed. • LD/LC50 values relevant for classification: ISO LD/LC 8000-34-8 Syzygium aromaticum (L.) Merr. & L.M.Perry (Syn : Eugenia caryophyllus (Sprengel) Bullock et S. Harrison) Oral, LD50: 1370 mg/kg (rat) (calculated) Dermal, LD50: 1200 mg/kg (Rabbit) (calculated) 97-53-0 EUGENOL Oral, LD50: 1930 mg/kg (rat) 87-44-5 **BETA-CARYOPHYLLENE** Oral, LD50: > 5000 mg/kg (rat) (Hart and Wong 1971) 119-36-8 METHYL SALICYLATE Oral, LD50: 890 mg/kg (ATE) Oral, LD50: 887 mg/kg (rat) 98-01-1 2-furaldehyde Oral, LD50: 65 mg/kg (rat) Primary irritant effect: Skin corrosion/irritation Irritant to skin and mucous membranes. Causes skin irritation. Serious eye damage/irritation Irritating effect. Causes serious eye irritation. Respiratory or skin sensitisation Sensitization possible through skin contact. Germ cell mutagenicity 87-44-5 **BETA-CARYOPHYLLENE** OECD 471 AMES: NEGATIVE (in vitro) (Heck and al., 1989)

Carcinogenicity Not determined.

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		Reviewed on: 01.0 Printing date: 01.0
PRODUCT :	CLOVE bud MADA ORGANIC OIL	
Not deter STOT-sin Not deter STOT-re Not deter Aspiration May be fa May be fa Subacut 87-44-5 Oral, NO/ 11.2 Infi Endocrir	ngle exposure mined. peated exposure mined.	(continued of page 6)
SECTION 12	Ecological information	
12.1 Toxici • Aquatic 8000-34-8		
	Eugenia caryophyllus (Sprengel) Bullock et S.	
ErC50(0- 96h-LC50 12.2 Persis No further re	Harrison) : 1,9 mg/l (daphnia) (QSAR) /2h): 41 mg/l (algae) (QSAR) : 3,2 mg/l (fish) (calculated) tence and degradability levant information available. ur in environmental systems: mined.	
	cumulative potential levant information available.	
12.4 Mobil No further re	ty in soil levant information available.	
 PBT: Not applie vPvB: Not applie 12.6 Endoor 		
SECTION 13	Disposal considerations	
 Recommendation Must be s 	e treatment methods endation pecially treated adhering to official regulations. ed packaging:	

- Uncleaned packaging:
 Recommendation: Disposal must be made according to official regulations.

(continued on page 8)



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	(continued of page 7)
SECTION 14: Transp	
14.1 UN number or . ADR	ID number Not classified
IMDG	Not classified
	Not classified
14.2 UN proper ship	
. ADR	Not classified
. IMDG	Not classified
. IATA	Not classified
14.3 Transport haza . ADR	rd class(es)
	Not classified
. IMDG	Niet eleccifical
. Class . IATA	Not classified
	Not classified
	Not classified
14.4 Packing group	Not classified
IMDG	Not classified
IATA	Not classified
14.5 Environmental Not applicable. 14.6 Special precaut Not applicable.	
14.7 Maritime transı Not applicable.	port in bulk according to IMO instruments
SECTION 15: Regula	atory information
15.1 Safety, healthDIRECTIVE 2011/	and environmental regulations/legislation specific for the substance or mixture 65/EU on the restriction of the use of certain hazardous substances in electrical uipment - Annex II ents is listed.

- Annex I RESTRICTED EXPLOSIVES PRECURS under Article 5(3)) None of the ingredients is listed.
- Annex II REPORTABLE EXPLOSIVES PRECURSORS
- None of the ingredients is listed.
 Regulation (EC) No 273/2004 on drug precursors None of the ingredients is listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors None of the ingredients is listed.
- National regulations:
- Technical instructions (air):
- Class Share in %
 - I 0,10
- Waterhazard class: Generally not hazardous for water.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.



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

CTION 16: Other information The information in this safety data sheet is based on the state of our knowledge at the date indicated. The information in this safety requirements for the product, they are not to be considered a warranty or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force. • Relevant phrases H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Hamful if swallowed. H304 May be fatal if swallowed. H305 Causes sin irritation. H317 May cause an allergic skin reaction. H318 Causes enous evel intration. H319 Causes enous evel intration. H311 May cause respiratory irritation. H313 Suspected of damaiging the unborn child. H412 Harmful to aquatic life with long lasting effects. • Training hints Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in t puropose of facilitation and Azorny Kos and agen	The information information in th to be considered areas thereof. Th not be valid with of this document The required inf applying all the r • Relevant ph H226 H301 H302 H304 H312 H315	in this safety data sheet is based on the state of our knowledge at the sheet must be regarded as a description of the safety requirements for the a warranty or quality specification and have no contractual value on procean formation contained in this safety data sheet relate to the specific matter respect to the product associated with another product or process, unless rmation complies with EU regulations in force. It does not exempt the ational regulations in force. Flammable liquid and vapour. Toxic if swallowed. May be fatal if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation.	ne product, they are not perties and application ial designated and may it is specified in the text
 information in this sheet must be regarded as a description of the safety requirements for the product, they are not to be considered a warnary or quality specification and have no contractual value on properties and application areas thereof. The information contained in this safety data sheet relate to the specific material designated and may not be valid with respect to the product associated with another product or process, unless it is specified in the text of this document. The required information complies with EU regulations in force. It does not exempt the user from knowing and applying all the national regulations in force. Relevant phrases H226 Flammable liquid and vapour. H301 Toxic if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin initiation. H315 Causes and ling cisk in reaction. H319 Causes anallergic skin reaction. H319 Causes are spiratory irritation. H316 Suspected of damaging the unborn child. H412 Harmful to aquatic life with long lasting effects. Training hints Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in the purpose of facilitating the understanding and interpretation of this form of safety data in the same way as labeling of the product. Abbreviations and acronyms: IFRA-International Carriage of Dangerous Goods by Road) RD3 Relagentent international consport des marchandises dangereuses par chemin de fer (Regulatic Concerning the International Carriage of Dangerous Goods by Road) RD4. International Carriage of Causing commercial Chemical Substances EURCS: European Inter Torasport Association of the American Chemical Substances EURCS: European International Organization of the American European Agreement concerning the International Alvit	information in the to be considered areas thereof. The not be valid with of this document The required inf applying all the re- • Relevant ph H226 H301 H302 H304 H312 H315	s sheet must be regarded as a description of the safety requirements for the a warranty or quality specification and have no contractual value on pro- information contained in this safety data sheet relate to the specific mater respect to the product associated with another product or process, unless rmation complies with EU regulations in force. It does not exempt the ational regulations in force. ases Flammable liquid and vapour. Toxic if swallowed. Harmful if swallowed and enters airways. Harmful in contact with skin. Causes skin irritation.	ne product, they are not perties and application ial designated and may it is specified in the text
 H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H412 Harmful to aquatic life with long lasting effects. Training hints Minimum training in occupational risk prevention is recommended for personnel who will handle this product, in t purpose of facilitating the understanding and interpretation of this form of safety data in the same way as labeling of the product. 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 concerni the International Carriage of Dangerous Goods by Road) RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulatic Concerning the International Transport of Dangerous Goods by Rail) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport association ICAO: International Air Transport dasociation ICAO: International Air Transport dasociation ICAO: International Carriage of Classification and Labelling of Chemicals EINECS: European List of Notified Chemical Substances ELINCS: European List of Notified Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LCS0: Lethal concentration, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPVB: very Persistent and very Bioaccumulative 	H319 H330	Caúses serious eye irritation. Fatal if inhaled.	
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