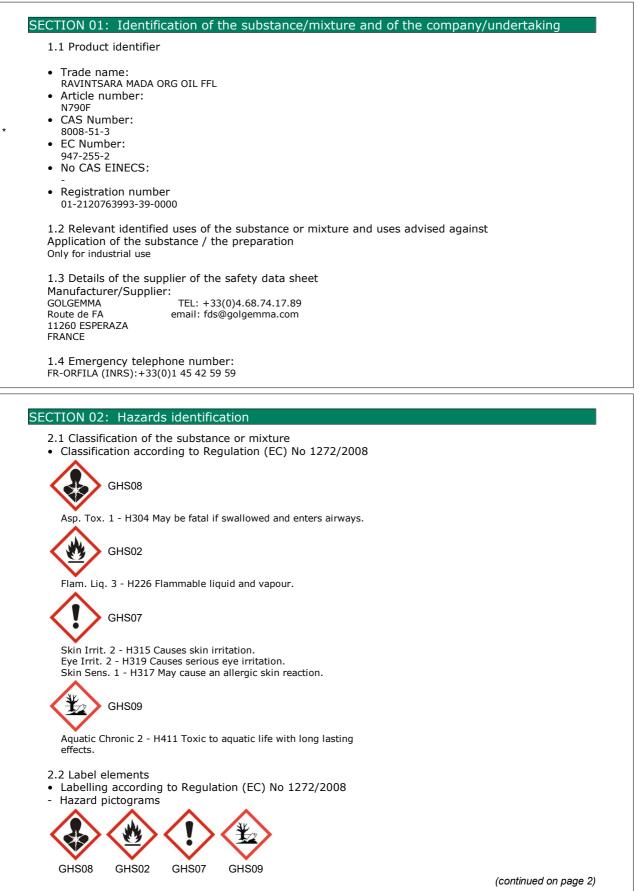


2669103

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





2669103

		Princing date: 02.08.20
PRODUCT : R	AVINTSARA MADA ORG OIL FFL	
		(continued of page 1)
 Signal word 		
Danger		
- Hazard state	ments le liguid and vapour.	
	atal if swallowed and enters airways.	
H315 Causes s		
	e an allergic skin reaction.	
	erious eye irritation. aquatic life with long lasting effects.	
- Precautionar		
P210 Keep awa	y from heat, hot surfaces, sparks, open flames and other ignition	on sources. No smoking.
	tainer tightly closed.	
	nd bond container and receiving equipment. SWALLOWED: Immediately call a POISON CENTER/ doctor.	
	bre in a well-ventilated place. Keep cool.	
	of contents/container in accordance with local/regional/ nationa	l/international regulations.
2.3 Other haza	rds IT and vPvB assessment	
PBT:	I allu VPVD assessment	
Not applicable		
- vPvB:		
Not applicable		
	n of endocrine-disrupting properties gredients is listed.	
None of the m		
SECTION 03: C	omposition/information on ingredients	
3.1 Substances		
CAS No.	Description	
8008-51-3	Cinnamomum camphora (L.) J.Presl	
 Identification 	number(s)	
• EC number: 947-255-2		
• Dangerous c	omponents:	
CAS Number		%
470-82-6	Eucalyptol	50,001-100
	EC number: 207-431-5	•

*	8008-51-3 • Identification • EC number: 947-255-2	Cinnamomum camphora (L.) J.Presl n number(s)	
*	Dangerous c	components:	
*	CAS Number		%
* *	470-82-6	Eucalyptol EC number: 207-431-5	50,001-100
*		1B - H317	
* *	98-55-5	p-menth-1-en-8-ol EC number: 202-680-6	10,001-20,00
*		H319	
* * *	80-56-8	ALPHA-PINENE EC number: 201-291-9 ♦ Asp. Tox. 1 - H304; ♦ Flam. Liq. 3 - H226; ♦ Acute Tox. 4 - H302, Skin	5,001-10,00
* * * *	127-91-3	Irrit. 2 - H315, Skin Sens. 1B - H317 BETA-PINENE EC number: 204-872-5 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Skin	5,001-10,00
* * *	562-74-3	Sens. 1B - H317 p-Menth-1-en-4-ol EC number: 209-235-5 � Acute Tox. 4 - H302, Acute Tox. 4 -	1,001- 5,000
*	EU	H332, Skin Irrit. 2 - H315, Eye Irrit. 2 -	(continued on page 3)



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PRODUCT :	RAVINTSARA MADA ORG OIL FFL	
		(continued of page 2)
76-22-2	H319, Skin Sens. 1B - H317, STOT SE 3 - H336 CAMPHOR EC number: 200-945-0 Flam. Sol. 2 - H228; Acute Tox.	1,001- 5,000
	4 - H302, Acute Tox. 4 - H332; 🚸 STOT SE	
	2 - H371	
123-35-3	Myrcene EC number: 204-622-5 ✤ Asp. Tox. 1 - H304; ✤ Flam. Liq. 3	1,001- 5,000
	- H226; 🚺 Skin Irrit. 2 - H315, Eye	
13877-91-3	Irrit. 2 - H319 3,7-Dimethyl-1,3,6-octatriene EC number: 237-641-2 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315;	1,001- 5,000
	Aquatic Acute 1 - H400 (M=1), Aquatic	
99-85-4	Chronic 2 - H411 p-Mentha-1,4-diene EC number: 202-794-6 Asp. Tox. 1 - H304; Flam. Liq. 3	1,001- 5,000
	- H226	
87-44-5	BETA-CARYOPHYLLENE EC number: 201-746-1 I Asp. Tox. 1 - H304; I Skin Sens.	1,001- 5,000
7212-44-4	1B - H317 Nerolidol (isomer unspecified) EC number: 230-597-5 ♦ Skin Sens. 1B - H317; ♦ Aquatic	1,001- 5,000
99-86-5	Acute 1 - H400 (M=1), Aquatic Chronic 1 - H410 (M=1) 1-isopropyI-4-methylcyclohexa-1,3-diene EC number: 202-795-1 Asp. Tox. 1 - H304; Image Flam. Liq. 3	1,001- 5,000
	- H226; 🍄 Acute Tox. 4 - H302, Skin	
586-62-9	Sens. 1 - H317; Aquatic Chronic 2 - H411 TERPINOLENE EC number: 209-578-0 Asp. Tox. 1 - H304; Skin Sens.	1,001- 5,000
	 Asp. Tox. 1 - H304; Skin Sens. 1B - H317; Aquatic Acute 1 - H400 	
507-70-0	 1B - H317; Aquatic Acute 1 - H400 (M=1), Aquatic Chronic 1 - H410 (M=1) I-Borneol EC number: 208-080-0 Flam. Sol. 2 - H228; Skin Irrit. 	1,001- 5,000
99-87-6	2 - H315 p-cymene EC number: 202-796-7 ♦ Acute Tox. 3 - H331; ♦ Asp. Tox. 1	1,001- 5,000
	- H304; 🚸 Flam. Liq. 3 - H226; 🚸	(continued on page 4)



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	PRODUCT :	RAVINTSARA MADA ORG OIL FFL	
			(continued of page 3)
*		Aquatic Chronic 2 - H411	
*	5989-27-5	d-limonene	1,001- 5,000
*		EC number: 227-813-5	
*		🚸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
*		- H226; 🚸 Skin Irrit. 2 - H315, Skin	
*		Sens. 1B - H317; 🚸 Aquatic Acute 1 -	
*		H400 (M=1); Aquatic Chronic 3 - H412	
*	79-92-5	camphene	0,101-1,000
*		EC number: 201-234-8	
*		🚸 Flam. Sol. 1 - H228; 🔅 Eye Irrit.	
*		2 - H319; 🌜 Aquatic Acute 1 - H400 (M=1)	
*		, Aquatic Chronic 1 - H410 (M=1)	
*	106-24-1	GERANIOL	0,101-1,000
*		EC number: 203-377-1	
*		🔗 Eye Dam. 1 - H318; 🚸 Skin Irrit. 2	
*		- H315, Skin Sens. 1 - H317	
*	78-70-6	LINALOOL	0,101-1,000
*		EC number: 201-134-4	
*		🚸 Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*		H319, Skin Sens. 1B - H317	
*	106-25-2	Nerol	0,101-1,000
*		EC number: 203-378-7	
*		🚸 Skin Irrit. 2 - H315, Eye Irrit. 2 -	
*		H319, Skin Sens. 1B - H317	

SECTION 04: First aid measures

- 4.1 Description of first aid measures
- General information:
- Seek immediate medical advice.
- After inhalation:
- 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.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. • After swallowing:
- Seek immediate medical advice.
- Information for doctor:

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.

SECTION 05: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
 - CO2, sand, extinguishing powder. Do not use water. Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture

(continued on page 5)



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PRODUCT :	RAVINTSARA MADA ORG OIL FFL	
 5.3 Advice f Protective Do not inhoman Additiona 	toxic gases is possible during heating or in case of fire. For firefighters e equipment: ale explosion gases or combustion gases. I information ngered receptacles with water spray.	(continued of page 4)
 6.1 Persona Wear protecti Ensure adequ Keep away fro 6.2 Environi Do not allow Inform respect 6.3 Methods Dispose conta Ensure adequ 6.4 Referen See Section 7 See Section 8 	Accidental release measures I precautions, protective equipment and emergency procedures ve equipment. Keep unprotected persons away. ate ventilation om ignition sources. mental precautions: product to reach sewage system or any water course. tive authorities in case of seepage into water course or sewage system. s and material for containment and cleaning up: minated material as waste according to item 13. ate ventilation. ce to other sections for information on safe handling. for information on personal protection equipment. 3 for disposal information.	
 7.1 Precauti Keep receptad Keep away fro Ensure good v Handle with c Informati Keep igniti Protect aga 7.2 Conditio Storage: Requirerm Store only Prevent an Use only re Informati Not require Further in Keep conta Protect from Store recept 7.3 Specific 	nformation about storage conditions: niner tightly sealed. m heat and direct sunlight. otacle in a well ventilated area.	
8.1 Control • Ingredien Not require • Additiona	ts with limit values that require monitoring at the workplace:	

(continued on page 6)



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(continued on page 7)

		RG OIL FFL
		(continued of page 5)
	protection measures, sucl otective and hygienic mea	h as personal protective equipment
•	, 5	be adhered to when handling chemicals.
Keep away fi	rom foodstuffs, beverages an	d feed.
,	remove all soiled and contain before breaks and at the end	5
	t with the eyes.	
 Respiratory 		
 Use suitable Protection 		in case of insufficient ventilation.
Protective gl		
		e and resistant to the product/ the substance/ the preparation.
chemical mix		n to the glove material can be given for the product/ the preparation/ the
		eration of the penetration times, rates of diffusion and the degradation
 Material of The coloction 		not only depend on the material, but also on further marks of quality and
	manufacturer to manufacture	
	n time of glove material	
The exact be observed.	reak through time has to be	e found out by the manufacturer of the protective gloves and has to be
 Eye/face pi 	rotection	
Safety glass		
 Body prote 	ction: protective clothing	
Boots	protective clothing	
General Informat	lion	
Physical state	lion	Fluid
Physical state Colour:		colourless to light yellow
Physical state		
Physical state Colour: Odour:		colourless to light yellow spicy
Physical state Colour: Odour: Odour threshold Melting point/free	: ezing point:	colourless to light yellow spicy Not determined. -20,0 °C
Physical state Colour: Odour: Odour threshold Melting point/free		colourless to light yellow spicy Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i	: ezing point:	colourless to light yellow spicy Not determined. -20,0 °C
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range	: ezing point: nitial boiling point and	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower:	: ezing point: nitial boiling point and	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper:	: ezing point: nitial boiling point and	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. Not determined. Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point:	: ezing point: nitial boiling point and r explosion limit	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to	: ezing point: nitial boiling point and r explosion limit	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH	: ezing point: nitial boiling point and r explosion limit	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity:	: ezing point: nitial boiling point and r explosion limit emperature:	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined. Not determined. August 200 °C Not determined. August 200 °C Not determined. Not determined. Not determined. Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos	: ezing point: nitial boiling point and r explosion limit emperature:	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - 179,00 °C Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic:	: ezing point: nitial boiling point and r explosion limit emperature:	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined. Not determined. August 200 °C Not determined. August 200 °C Not determined. Not determined. Not determined. Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility	: ezing point: nitial boiling point and r explosion limit emperature:	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water:	: ezing point: nitial boiling point and r explosion limit emperature:	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water:	: ezing point: nitial boiling point and r explosion limit emperature:	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 179,00 °C Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water: Partition coefficie	: ezing point: nitial boiling point and r explosion limit emperature: sity ent n-octanol/water (log	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water: Partition coefficie value)	: ezing point: initial boiling point and r explosion limit emperature: sity ent n-octanol/water (log	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water: Partition coefficie value) Vapour pressure Density and/or re	: ezing point: initial boiling point and r explosion limit emperature: sity ent n-octanol/water (log	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water: Partition coefficie value) Vapour pressure Density and/or re	: ezing point: initial boiling point and r explosion limit emperature: sity ent n-octanol/water (log	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined. Not determined.
Physical state Colour: Odour: Odour threshold Melting point/free Boiling point or i boiling range Flammability Lower and upper Lower: Upper: Flash point: Decomposition to pH Viscosity: Kinematic viscos Dynamic: Solubility water: Partition coefficie value) Vapour pressure Density and/or re	: ezing point: initial boiling point and r explosion limit emperature: sity ent n-octanol/water (log	colourless to light yellow spicy Not determined. -20,0 °C 178,00 - 178,00 - 178,00 - Not determined. Not determined. Not determined. 49,0 °C NFT 60-103 CC Not determined. Not determined.

Appearance:



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	(continued of	of page 6)
Form:	fluid	
Important information on protection of heal	th 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.	
nformation with regard to physical hazard	classes	
Explosives	not applicable	
Flammable gases	not applicable	
Aerosols	not applicable	
Oxidising gases	not applicable	
Gases under pressure	not applicable	
Flammable liquids	Flammable liquid and vapour.	
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	
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: T	oxicological information		
	 Acute toxicit 	on on hazard classes as defined in Regulation (EC) No 127 cy ues relevant for classification:	72/2008	
		IS	O LD/LC	
	8008-51-3 Oral, LD50: 5	Cinnamomum camphora (L.) J.Presl 100 mg/kg (rat) (Readcross - 1971)		
	470-82-6	Eucalyptol		
				(continued on page 8)



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* * * * * *	98-55-5 Oral, LD50 76-22-2 Oral, LD50 Dermal, LI 87-44-5	p-menth-1-en-8-ol 0: 4300 mg/kg (rat) CAMPHOR 0: >5000 mg/kg (rat) (Opdyke 1978)	(continued of page 7)
* * * * * *	98-55-5 Oral, LD50 76-22-2 Oral, LD50 Dermal, LI 87-44-5	p-menth-1-en-8-ol 2: 4300 mg/kg (rat) CAMPHOR	(continued of page 7)
* * * * * *	98-55-5 Oral, LD50 76-22-2 Oral, LD50 Dermal, LI 87-44-5	p-menth-1-en-8-ol 2: 4300 mg/kg (rat) CAMPHOR	
* * * *	76-22-2 Oral, LD50 Dermal, LI 87-44-5	: 4300 mg/kg (rat) CAMPHOR	
* * * *	Oral, LD50 Dermal, LI 87-44-5		
* * * *	Dermal, LI 87-44-5): >5000 mg/kg (rat) (Opdyke 1978)	
* *	87-44-5	$\Sigma = 0.5 \pm 1000 \text{ mg/kg} (\text{mg/gg}) (\text{NTD} = 1000)$	
*		D50: >1000 mg/kg (mouse) (NTP 1998)	
*		BETA-CARYOPHYLLENE b: > 5000 mg/kg (rat) (Hart and Wong 1971)	
	7212-44-4	Nerolidol (isomer unspecified)	
*): >5000 mg/kg (rat) (RIFM 1973)	
*): 9626 mg/kg (mouse) (RIFM 1967)	
*		D50: >5000 mg/kg (Rabbit) (RIFM 1973)	
*	99-86-5	ALPHA-TERPINENE 1: 1680 mg/kg (ATE)	
*	5989-27-5	(R)-p-mentha-1,8-diene	
*		1: 4400 mg/kg (rat)	
*	79-92-5	camphene	
*	Oral, LD50): 5000 mg/kg (rat)	
*	Dermal, LI	D50: 2500 mg/kg (Rabbit)	
*	78-70-6		
*): 2790 mg/kg (rat) D50: 5610 mg/kg (Rabbit)	
		rritant effect:	
		osion/irritation	
		skin and mucous membranes.	
		n irritation.	
+		ye damage/irritation	
*	7212-44-4	Nerolidol (isomer unspecified) of eyes, OECD 405 DRAIZE: NOT CLASSIFIED (Rabbit) (RIFM	
*	1967)		
	Irritating e		
		ious eye irritation.	
		ory or skin sensitisation on possible through skin contact.	
		I mutagenicity	
*	8008-51-3	Cinnamomum camphora (L.) J.Presl	
		AMES: NEGATIVE (in vitro) (OECD Guideline 471 under GLP -	
	2017)		
*	470-82-6	Eucalyptol	
		AMES: NEGATIVE (in vitro) (Haworth, 1983)	
*	76-22-2	CAMPHOR AMES: NEGATIVE (in vitro) (Anderson and Styles 1978)	
*	87-44-5	BETA-CARYOPHYLLENE	
*		AMES: NEGATIVE (in vitro) (Heck and al., 1989)	
*	78-70-6	LINALOOL	
*		AMES: NEGATIVE (in vitro) (Letizia and al., 2007)	
*	 Carcinoge 	enicity	
*	76-22-2	CAMPHOR	
*		u: NEGATIVE (mouse) (NTP 1999)	
*	78-70-6		
*		u: NEGATIVE (mouse) (in vivo, Letizia and al., 2007) u: NEGATIVE (in vitro) (DiSotto and al., 2011)	
		tive toxicity	
	Not detern	nined.	
		gle exposure	
	Not detern	nined. peated exposure	
	Not detern		
	 Aspiratio 		
		al if swallowed and enters airways.	
*		al if swallowed and enters airways.	
±		to chronic toxicity:	
*	76-22-2	CAMPHOR EL: >800 mg/kg (rat) (fetal toxicity GD 6 to 15, NTP 1992)	
*	0rai, NOA 87-44-5		
	01-44-9	BETA-CARYOPHYLLENE	(continued on page 9)
	– EU –––––		



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(continued of page 1 0 Tal, NAAEL: 700 mg/kg (rat) (90 days Schmitt 2016) 11.2 Information on other hazards Endocrine disrupting properties None of the ingredients is listed. ECTION 12: Ecological information 12.1 Toxicity • Aquatic toxicity: 8008-51-3 Cinnamomum camphora (L.) J.Presi CES0/48h: 1.06 mg/l (daphnia) (CSAR model - 2017) Fc:50(0-77h): 2.01 mg/l (dage) (SAR model - 2017) Fc:50(0-77h): 2.01 mg/l (daphnia) CES0/48h: 26,82 mg/l (daphnia) PS-76 p-cymene LD50: .05 mg/l (fish) (OECD 203) 5989-27.5 (R)-p-menta-1,8-diene LD50: .05 mg/l (fish) (OECD 203) 5989-27.5 (R)-p-menta-1,8-diene LD50: .05 mg/l (dish) (OECD 203) 5989-27.5 (MALOOL LD50: 27,8 mg/l (fish) (OECD 203) 12.2 Persistence and degradability No further relevant information available. 12.3 Bioaccumulative potential No further relevant information available. 12.4 Mobility in soil No further relevant information available. 12.5 Results of PBT and vPvB assessment • PBT: Not applicable. 12.6 Other adverse effects No further relevant information available. 12.6 Other adverse effects No further	PRODU	CT: RAVINTSARA MADA ORG OIL FFL
Oral, NOAEL: 700 mg/kg (ret) (90 days Schmitt 2016) 11.2 Information on other hazards Fendocrine disrupting properties None of the ingredients is listed. ECTION 12: Ecological information 12.1 Toxicity 8008-513 Cinnamonum camphora (L.) J.Presi CES0/48h: :1,06 mg/l (daphnia) (QSAR model - 2017) FcrC30(0-72h): 2.01 mg/l (daphnia) CES0/48h: :2,65 arg/l (daphnia) FcrC30(0-72h): 2.3.1 mg/l (daphnia) FcrC30(0-72h): 2.3.1 mg/l (daphnia) FcrC30(0-72h): 2.3.8 mg/l (daphnia) FcrC30(0-72h): 5.5.7 mg/l (fish) (OECD 203) FcrC30(0-72h): 1.5.6 mg/l (daphnia) (OECD 202) FcrC30(0-48h): 59 mg/l (daphnia) exailable. 1.2.2 Persistence and degradability No further relevant information available. 1.2.5 Results of PBT and vPvB assessment I FC30(0-71 mg/l Find Find Find Find Find Find Find Find		(continued of page
 11.12 Information on other hazards Endocrine disrupting properties None of the ingredients is listed. ECTION 12: Ecological information 12.1 Toxicity Aquatic toxicity: 8098-51.3 Cinnamonum camphora (L) J.Presi 8059-51.3 Cinnamonum camphora (L) J.Presi 8050.51.3 mg/ (dish) (DECD 203) 809-87.6 CAMPHOR 8059-75.1 mg/ (dish) (DECD 203) 809-87.6 P-cymone 8050: 0,51 mg/ (fish) (DECD 203) 809-87.6 P-cymone 8050: 0,71 mg/ (fish) (DECD 203) 809-87.6 (R)-p-mentha-1.8-diene 8050: 0,71 mg/ (fish) (DECD 203) 809-80.2 (R)-p-mentha-1.8-diene 80.2 (R)-p-mentha-1.8-diene 80.2 (R)-p-mentha-1.8-diene 80.2 (R)-p-mentha-1.8-diene 80.2 (R)-p-mentha-1.8-diene 80.2 (R)-p-mentha-1.8-diene 80.2	C	
None of the ingredients is listed. ECTION 12: Ecological information 12.1 Toxicity Aquatic toxicity: 8008-51-3 Cinnamonum camphora (L) J.Presi CE50/48h: 1,06 mg// (daphnia) CE50/48h: 1,06 mg// (daphnia) CE50/48h: 2,05 mg// (daphnia) CE50/48h: 2,05 mg// (daphnia) CE50/48h: 2,05 mg// (daphnia) CE50/48h: 0,65 mg// (daphnia) CE50/0-21mg// (fish) (CECD 203) CE50/48h: 0,65 mg// (daphnia) CE50/48h: 0,67 mg// (daphnia) CECD 203) CE50/48h: 0,67 mg// (daphnia) CECD 203 CE50/48h: 0,67 mg// (daphnia) CECD 203) CE50/48h: 0,67 mg// (daphnia) CECD 203 CES0/48h: 0,67 mg		
ECTION 12: Ecological information 12.1 Toxicity • Aquatic toxicity: 808-513 Cinnamonum camphora (L.) J.Presi 908-513 Cinnamonum camphora (L.) J.Presi 908-513 Cinnamonum camphora (L.) J.Presi 908-513 Cinnamonum camphora (L.) J.Presi 908-514 Camp/I (displuid) (QSAR model - 2017) 76-222 CAMPHOR CES0(0-72h): 23, 8 mg/I (displuid) 123-53 Myrcene LDS0: 0.51 mg/I (fish) (OECD 203) 98-87-6 Eymmene LDS0: 1,63 mg/I (fish) (OECD 203) 98-87-6 LINALOOL LDS0: 27,8 mg/I (fish) (OECD 203) 78-70-6 LINALOOL LDS0: 27,8 mg/I (fish) (OECD 203) 12.2 Persistence and degradability	• E	docrine disrupting properties
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76-22-2 CAMPHOR CE50/48h: 26,82 mg/l (daphnia) FC50(7-2h): 23,8 mg/l (digae) 123-35-3 Myrcene LD50: 0,51 mg/l (fish) (OECD 203) CE50/48h: 0,65 mg/l (daphnia) 99-87-6 p-cymene LD50: 1,63 mg/l (fish) (OECD 203) 5889-27-5 (R)-p-mentha-1,8-diene LD50: 27,8 mg/l (fish) (OECD 203) 78-70-6 LINALOOL LD50: 27,8 mg/l (fish) (OECD 203) RIFM 1991) ErC50(0-72h): 156,7 mg/l (daphnia) ((OECD 202) 12.2 Persistence and degradability No further relevant information available. • Behaviour in environmental systems: Not determined. 12.3 Bioaccumulative potential No further relevant information available. 12.4 Mobility in soil No further relevant information available. 12.5 Results of PBT and vPvB assessment • PBT: Not applicable. 12.6 Endocrine disrupting properties The product does not contain substances with endocrine disrupting properties. 12.6 Other adverse effects No determined. 12.6 Condocrine disrupting properties The product does not contain substances with endocrine disrupting properties.		
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The material is harmful to the environment.		

SECTION 13: Disposal considerations

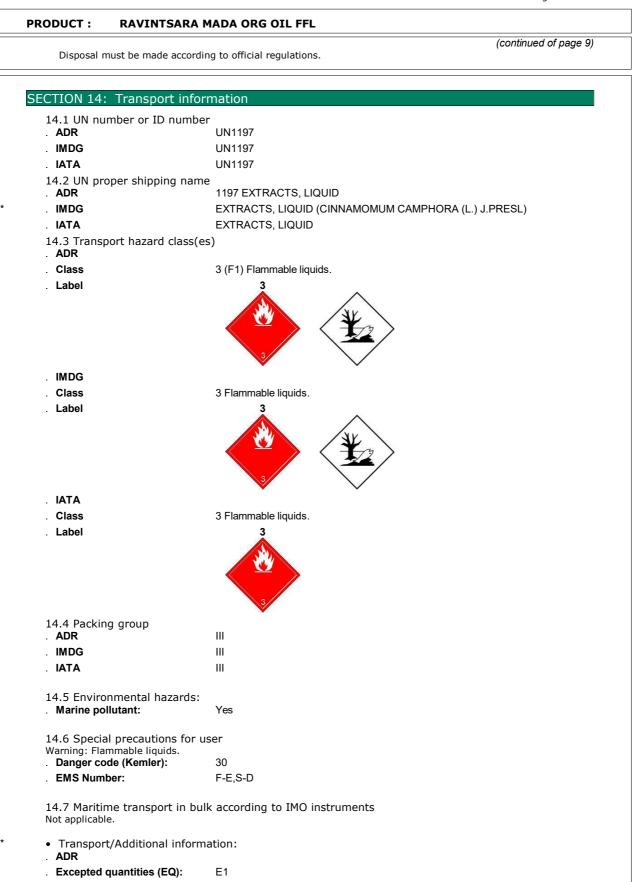
- 13.1 Waste treatment methods
- Recommendation
- Must be specially treated adhering to official regulations.
- Uncleaned packaging:
- Recommendation:



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Reviewed on: 02.08.2024 Printing date: 02.08.2024

(continued on page 11)





2669103

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

Reviewed on: 02.08.2024 Printing date: 02.08.2024

PRODUCT : RAVINTSARA MADA ORG OIL FFL (continued of page 10) . Limited quantities (LQ) 5L . Transport category 3 . Tunnel restriction code D/E . IMDG . . Limited quantities (LQ) 5L . Excepted quantities (EQ) E1 . UN "Model Regulation": UN 1197 EXTRACTS, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture . DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II None of the ingredients is listed. . REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing 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 %	(continued of page 10) . Limited quantities (LQ) 5L . Transport category 3 . Tunnel restriction code D/E . IMDG . . Limited quantities (LQ) 5L . Excepted quantities (EQ) E1 . UN "Model Regulation": UN 1197 EXTRACTS, LIQUID, 3, III, ENVIRONMENTALLY HAZARDOUS SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture • DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II None of the ingredients is listed. • REGULATION (EU) 2019/1148 • Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing 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: • National regulations:		Printing date: 02.08.
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SECTION 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 sheet must be regarded as a description of the safety requirements for the product, they are not		to be considered a warrant areas thereof. The informati not be valid with respect to of this document. The required information c applying all the national reg • Relevant phrases H226 Flammat H228 Flammat H302 Harmful H304 May be f H315 Causes s	y or quality specification and have no contractual value on properties and application on contained in this safety data sheet relate to the specific material designated and may the product associated with another product or process, unless it is specified in the text complies with EU regulations in force. It does not exempt the user from knowing and ulations in force.

- H317 H318 May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation.
- H319
- H331 Toxic if inhaled.
- Harmful if inhaled.
- H332 H336 H371
- * * * * * * *

 - Harmful If Inhaled. May cause drowsiness or dizziness. May cause damage to organs. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. H400 H410
 - H411

(continued on page 12)

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PRODUCT :	RAVINTSARA MADA ORG OIL FFL
H412	(continued of page 11) Harmful to aquatic life with long lasting effects.
Minimum f purpose o	hints training in occupational risk prevention is recommended for personnel who will handle this product, in the f facilitating the understanding and interpretation of this form of safety data in the same way as the ^t the product.
IFRA:Inter ADR: Acco the Interna RID: Règle Concernine IMDG: Int DOT: US I IATA: Inte ICAO: Inte GHS: Glob EINECS: E ELINCS: E CAS: Cher LCSO: Lett DSD: Lett PBT: Persi	tions and acronyms: mational Fragrance Association IOFI:International Organization of the Flavor Industry ord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning ational Carriage of Dangerous Goods by Road) ement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations g the International Transport of Dangerous Goods by Rail) ernational Maritime Code for Dangerous Goods Department of Transport ation rrational Air Transport Association ernational Air Transport Association ernational Civil Aviation Organisation vally Harmonised System of Classification and Labelling of Chemicals uropean Inventory of Existing Commercial Chemical Substances uropean List of Notified Chemical Substances nical Abstracts Service (division of the American Chemical Society) hal concentration, 50 percent hal dose, 50 percent stent, Bioaccumulative and Toxic / Persistent and very Bioaccumulative
Sources IFRA/IOFI	Labelling Manual, REACH registration dossier, supplier information
• * Data co	ompared to the previous version altered.
	H412 • Training Minimum f purpose o labeling of • Abbrevia IFRA:Inter ADR: Acco the Intern RID: Règlé Concernin IMDG: Int DOT: US D IATA: Inter ICAO: Inter GHS: Glob EINECS: E ELINCS: E CAS: Cher LC50: Lett PBT: Persi vPvB: very • Sources IFRA/IOFI