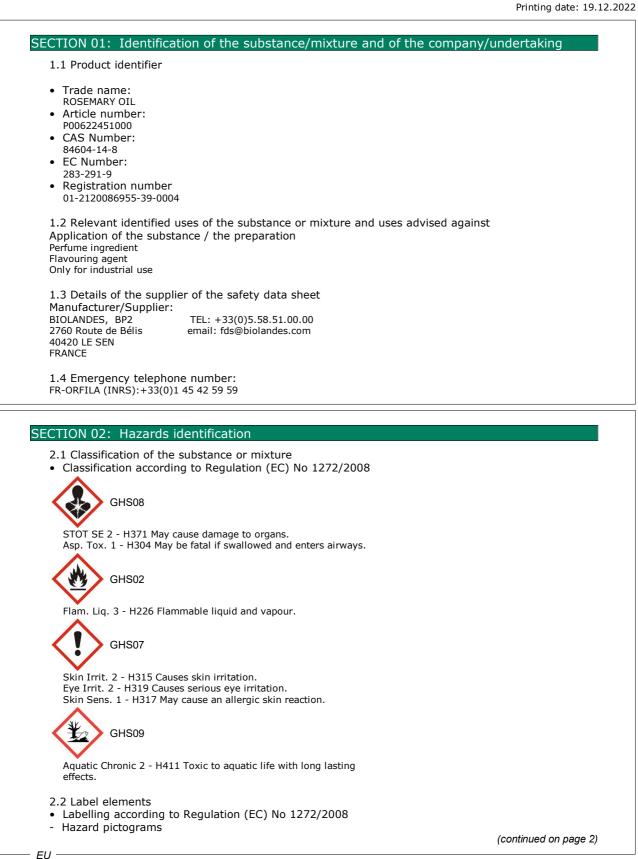


1680906

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





1680906

	ROSEMARY OIL	
		(continued of page
- Signal word	GHS02 GHS07 GHS09 I	
Danger		
 Hazard_dot 	ermining components of labelling:	
	camphre / LIMONENE	
- Hazard stat	ements able liquid and vapour.	
	fatal if swallowed and enters airways.	
	skin irritation. use an allergic skin reaction.	
H319 Causes	serious eye irritation.	
	use damage to organs. o aquatic life with long lasting effects.	
	ry statements	
	vay from heat, hot surfaces, sparks, open flames and other ignition ntainer tightly closed.	sources. No smoking.
P240 Ground	and bond container and receiving equipment.	
P301+P310 I	F SWALLOWED: Immediately call a POISON CENTER/ doctor. Store in a well-ventilated place. Keep cool.	
	of contents/container in accordance with local/regional/ national/ir	ternational regulations.
2.3 Other haz	ards	
	ards PBT and vPvB assessment	
- PBT:		
Not applicabl - vPvB:	e.	
Not applicabl		
	ion of endocrine-disrupting properties	
None of the i	ngredients is listed.	
CTION 03: (• 3.2 Mixture • Description Mixture	ngredients is listed. Composition/information on ingredients s	
CTION 03: 0 • 3.2 Mixture • Description	ngredients is listed. Composition/information on ingredients s	
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous	ngredients is listed. Composition/information on ingredients s	% 20,001-50,00
CTION 03: 0 • 3.2 Mixture • Description Mixture • Dangerous CAS Number	ngredients is listed. Composition/information on ingredients is : components:	
 None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 	ngredients is listed. Composition/information on ingredients is components: Eucalyptol	
CTION 03: 0 • 3.2 Mixture • Description Mixture • Dangerous CAS Number	ngredients is listed. Composition/information on ingredients is components: Eucalyptol EC number: 207-431-5	
 None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 	ngredients is listed.	
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6	ngredients is listed. Composition/information on ingredients is components: Eucalyptol EC number: 207-431-5 IEC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9	20,001-50,00
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6	ngredients is listed. Composition/information on ingredients is components: Eucalyptol EC number: 207-431-5 IEC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 Asp. Tox. 1 - H304; Flam. Liq. 3	20,001-50,00
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6	ngredients is listed. Composition/information on ingredients is components: Eucalyptol EC number: 207-431-5 IEC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9	20,001-50,00
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6	ngredients is listed. Composition/information on ingredients is components: Eucalyptol EC number: 207-431-5 IEC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 Asp. Tox. 1 - H304; Flam. Liq. 3	20,001-50,00
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6	ngredients is listed. Composition/information on ingredients ss : components: Eucalyptol EC number: 207-431-5 IE C number: 207-431-5 IE C number: 207-431-5 IE C number: 207-431-5 IE C number: 207-431-5 Flam. Liq. 3 - H226; IE Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 IE C number: 201-291-	20,001-50,00
None of the i CTION 03: 0 . 3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8	ngredients is listed. Composition/information on ingredients s : components: Eucalyptol EC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one EC number: 200-945-0	20,001-50,00 10,001-20,00
None of the i CTION 03: 0 . 3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8	ngredients is listed. Composition/information on ingredients ss : components: Eucalyptol EC number: 207-431-5	20,001-50,00 10,001-20,00
None of the i CTION 03: 0 . 3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8	ngredients is listed. Composition/information on ingredients s : components: Eucalyptol EC number: 207-431-5 Flam. Liq. 3 - H226; Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one EC number: 200-945-0	20,001-50,00 10,001-20,00
None of the i CTION 03: 0 3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8	ngredients is listed. Composition/information on ingredients ss : components: Eucalyptol EC number: 207-431-5	20,001-50,00 10,001-20,00
None of the i CTION 03: 0 3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8	ngredients is listed. Composition/information on ingredients s : components: Eucalyptol EC number: 207-431-5 ◈ Flam. Liq. 3 - H226; ∲ Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 ◈ Asp. Tox. 1 - H304; ∲ Flam. Liq. 3 - H226; ∲ Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one EC number: 200-945-0 ◈ Flam. Sol. 2 - H228; ∲ Acute Tox. 4 - H302, Acute Tox. 4 - H332; ∲ STOT SE	20,001-50,00 10,001-20,00
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8 76-22-2	ngredients is listed. Composition/information on ingredients s : components: Eucalyptol EC number: 207-431-5 IE Flam. Liq. 3 - H226; IE Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 IE Asp. Tox. 1 - H304; IE Flam. Liq. 3 - H226; IE Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one EC number: 200-945-0 IE Flam. Sol. 2 - H228; IE Acute Tox. 4 - H302, Acute Tox. 4 - H332; IE STOT SE 2 - H371 beta-Pinene EC number: 204-872-5	20,001-50,00 10,001-20,00 10,001-20,00
None of the i CTION 03: (3.2 Mixture Description Mixture Dangerous CAS Number 470-82-6 80-56-8 76-22-2	ngredients is listed. Composition/information on ingredients s : components: Eucalyptol EC number: 207-431-5 IE Flam. Liq. 3 - H226; IE Skin Sens. 1B - H317 pin-2(3)-ene EC number: 201-291-9 IE Asp. Tox. 1 - H304; IE Flam. Liq. 3 - H226; IE Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one EC number: 200-945-0 IE Flam. Sol. 2 - H228; IE Acute Tox. 4 - H302, Acute Tox. 4 - H332; IE STOT SE 2 - H371 beta-Pinene	20,001-50,00 10,001-20,00 10,001-20,00



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Printing date:	19.12.2022
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PRODUCT :	ROSEMARY OIL	
	·····	(continued of page 2)
	- H226; 🔶 Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317	
87-44-5	beta-Caryophyllene	1,001- 5,00
	EC number: 201-746-1	
	🚸 Asp. Tox. 1 - H304; 🚸 Skin Sens.	
	1B - H317	
99-87-6	p-cymene	1,001- 5,00
	EC number: 202-796-7	
	🚸 Acute Tox. 3 - H331; 🚸 Asp. Tox. 1	
	- H304; 🚸 Flam. Liq. 3 - H226; 🕸	
	•	
5000 07 5	Aquatic Chronic 2 - H411	4 004 5 00
5989-27-5	d-limonene EC number: 227-813-5	1,001- 5,00
	Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
	• •	
	- H226; 🔶 Skin Irrit. 2 - H315, Skin	
	Sens. 1B - H317; 🌜 Aquatic Acute 1 -	
	H400; Aquatic Chronic 3 - H412	
98-55-5	p-menth-1-en-8-ol	1,001- 5,00
	EC number: 202-680-6	
	🚸 Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	H319	
123-35-3	Myrcene	1,001- 5,00
	EC number: 204-622-5	
	🚸 Asp. Tox. 1 - H304; 🚸 Flam. Liq. 3	
	- H226; 🔶 Skin Irrit. 2 - H315, Eye	
	Irrit, 2 - H319	
78-70-6	Linalool	0,101-1,00
10-10-0	EC number: 201-134-4	0,101-1,00
	Skin Irrit. 2 - H315, Eye Irrit. 2 -	
	-	
00.96 5	H319, Skin Sens. 1B - H317 1 jaansenul 4 methylovelebeve 1.3 diene	0 404 4 00
99-86-5	1-isopropyl-4-methylcyclohexa-1,3-diene EC number: 202-795-1	0,101-1,00
	Asp. Tox. 1 - H304; Kap. Tox. 2 - H304; Flam. Liq. 3	
	- H226; 🕐 Acute Tox. 4 - H302, Skin	
	Sens. 1 - H317; 🌜 Aquatic Chronic 2 -	
	H411	
	Oral: ATE = 1680 mg/kg	
586-62-9	Terpinolene	0,101-1,00
	EC number: 209-578-0	
	🚸 Asp. Tox. 1 - H304; 🕚 Skin Sens.	
	1B - H317; 🌜 Aquatic Acute 1 - H400,	
	Aquatic Chronic 1 - H410	
 Additional 	information:	
For the wor	ding of the listed risk phrases refer to section 16.	

(continued on page 4)



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104: First aid measures	(continued of page 3)
escription of first aid measures	
eral information:	
<pre>< immediate medical advice. er inhalation:</pre>	
bly fresh air and to be sure call for a doct	or.
r skin contact:	
in irritation continues, consult a doctor. nediately wash with water and soap and r	inse thoroughly.
er eye contact:	- /
e opened eye for several minutes under r er swallowing:	running water. If symptoms persist, consult a doctor.
<pre>i swallowing. < immediate medical advice.</pre>	
rmation for doctor:	
ost important symptoms and effects	, both acute and delayed
her relevant information available.	
dication of any immediate medical a	attention and special treatment needed
her relevant information available.	
105: Firefighting measures	
tinguishing media	
able extinguishing agents:	
, sand, extinguishing powder. Do not use fire extinguishing methods suitable to su	e water. rrounding conditions.
safety reasons unsuitable extinguis	
er with full jet	
ecial hazards arising from the subst	tance or mixture
ion of toxic gases is possible during heat	ing or in case of fire.
lvice for firefighters	
ective equipment:	
not inhale explosion gases or combustion itional information	gases.
endangered receptacles with water spray	у.
106: Accidental release measu	ires
rsonal precautions, protective equip rotective equipment. Keep unprotected p	
adequate ventilation	croons away.
way from ignition sources.	
vironmental precautions:	
allow product to reach sewage system or	
respective authorities in case of seepage	into water course or sewage system.
ethods and material for containment	
e contaminated material as waste accordi adequate ventilation.	ng to item 13.
ference to other sections	
ction 7 for information on safe handling. ction 8 for information on personal protec	ction equipment.
ction 13 for disposal information.	



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RODUCT : ROSEMARY OIL	(continued of page
ECTION 07: Handling and s	
7.1 Precautions for safe handli Keep receptacles tightly sealed.	ng
Keep away from heat and direct su	nlight.
Ensure good ventilation/exhaustion	
Handle with care. Avoid jolting, frie	
 Information about fire - and 	
Keep ignition sources away - Do	
Protect against electrostatic cha	rges.
7.2 Conditions for safe storage	e, including any incompatibilities
Storage:	
 Requirements to be met by 	
Store only in the original recept	
Prevent any seepage into the gr	ound. permitted for this substance/ product.
	n one common storage facility:
Not required.	
Further information about s	torage conditions:
Keep container tightly sealed.	15-164
Protect from heat and direct sun Store receptacle in a well ventile	
7.3 Specific end use(s)	
No further relevant information ava	ailable.
8.1 Control parameters	
8.1 Control parametersIngredients with limit values	s that require monitoring at the workplace:
8.1 Control parametersIngredients with limit values	s that require monitoring at the workplace:
8.1 Control parametersIngredients with limit values The product does not contain ar	s that require monitoring at the workplace:
• Ingredients with limit values The product does not contain an the workplace.	s that require monitoring at the workplace: y relevant quantities of materials with critical values that have to be monitored a
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 	s that require monitoring at the workplace: y relevant quantities of materials with critical values that have to be monitored a
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls 	s that require monitoring at the workplace: y relevant quantities of materials with critical values that have to be monitored a g were used as basis.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measure 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: res are to be adhered to when handling chemicals.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevore 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im Due to missing tests no recomm 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation.
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 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bev/ Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im Due to missing tests no recomm chemical mixture. 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored a g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation.
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 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im Due to missing tests no recomm chemical mixture. Selection of the glove material of Material of gloves The selection of the suitable glov varies from manufacturer to ma 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored at g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation. endation to the glove material can be given for the product/ the preparation/ the on consideration of the penetration times, rates of diffusion and the degradation ves does not only depend on the material, but also on further marks of quality an nufacturer. As the product is a preparation of several substances, the resistance of
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im Due to missing tests no recomm chemical mixture. Selection of the glove material of The selection of the suitable glov varies from manufacturer to ma the glove material can not be ca 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored at g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation. hendation to the glove material can be given for the product/ the preparation/ the part consideration of the penetration times, rates of diffusion and the degradation ves does not only depend on the material, but also on further marks of quality ar nufacturer. As the product is a preparation of several substances, the resistance of heulated in advance and has therefore to be checked prior to the application.
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im Due to missing tests no recomm chemical mixture. Selection of the glove material of Material of gloves The selection of the suitable glov varies from manufacturer to ma the glove material can not be ca Penetration time of glove m 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored at g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation. hendation to the glove material can be given for the product/ the preparation/ the on consideration of the penetration times, rates of diffusion and the degradation ves does not only depend on the material, but also on further marks of quality and nufacturer. As the product is a preparation of several substances, the resistance of ilculated in advance and has therefore to be checked prior to the application. aterial
 8.1 Control parameters Ingredients with limit values The product does not contain an the workplace. Additional information: The lists valid during the making 8.2 Exposure controls Individual protection measu General protective and hygi The usual precautionary measur Keep away from foodstuffs, bevy Immediately remove all soiled a Wash hands before breaks and a Avoid contact with the eyes. Respiratory protection: Use suitable respiratory protecti Protection of hands: Protective gloves The glove material has to be im Due to missing tests no recomm chemical mixture. Selection of the glove material of Material of gloves The selection of the suitable glo varies from manufacturer to ma the glove material can not be ca Penetration time of glove m The exact break through time ha 	s that require monitoring at the workplace: by relevant quantities of materials with critical values that have to be monitored at g were used as basis. res, such as personal protective equipment enic measures: es are to be adhered to when handling chemicals. erages and feed. and contaminated clothing at the end of work. ve device in case of insufficient ventilation. permeable and resistant to the product/ the substance/ the preparation. hendation to the glove material can be given for the product/ the preparation/ the part consideration of the penetration times, rates of diffusion and the degradation ves does not only depend on the material, but also on further marks of quality ar nufacturer. As the product is a preparation of several substances, the resistance of heulated in advance and has therefore to be checked prior to the application.
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ECTION 09: Physical and chemical	properties	
9.1 Information on basic physical and chem	nical properties	
General Information		
Physical state	Fluid	
Colour:	colourless to pale yellow	
Odour:	aromatic	
Odour threshold:	Not determined.	
Melting point/freezing point:	< -20,0 °C	
Boiling point or initial boiling point and boiling range	158,00 - 210,00 °C	
Flammability	Not determined.	
Lower and upper explosion limit		
Lower:	Not determined.	
Upper:	Not determined.	
Flash point:	47,3 °C NFT 60-103 CC	
Ignition temperature:	265,00 °C	
Decomposition temperature:	Not determined.	
pH	Not determined.	
Viscosity:		
Kinematic viscosity	Not determined.	
Dynamic:	Not determined.	
Solubility		
water:	Not determined.	
Partition coefficient n-octanol/water (log	Not determined.	
value)		
Vapour pressure:	Not determined.	
Density and/or relative density		
Density:	Not determined.	
Relative density	0,9070 0,9200 D20/20	
Vapour density	Not determined.	
9.2 Other information	No further relevant information available.	
Appearance:		
Form:	fluid	
Important information on protection of heal	Ith 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	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	



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		(continued of page 6)
		(continued of page 6)
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
- LD/LC50 values relevant for classification:

ROSEMARY OIL

- Oral, LD50: 5000 mg/kg (rat) (1971)
- Primary irritant effect:
- Skin corrosion/irritation
- Irritant to skin and mucous membranes. Causes skin irritation.
- Serious eye damage/irritation

ROSEMARY OIL

- Irritation of eyes, OECD 437 BCOP: NOT CLASSIFIED (in vitro) (55>IVIS>3; 2013)
- Irritating effect.
- Causes serious eye irritation. Respiratory or skin sensitisation
 - Sensitization possible through skin contact.
- · Germ cell mutagenicity

ROSEMARY OIL

- OECD 471 AMES: NEGATIVE (in vitro) (2013)
- Carcinogenicity
- 76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one Micronoyau: NEGATIVE (mouse) (NTP 1999)

78-70-6 Linalool

- Micronoyau: NEGATIVE (mouse) (in vivo, Letizia and al., 2007) Micronoyau: NEGATIVE (in vitro) (DiSotto and al., 2011)
- Reproductive toxicity
- Not determined.
- STOT-single exposure
- May cause damage to organs. STOT-repeated exposure
- Not determined.

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ISO LD/LC

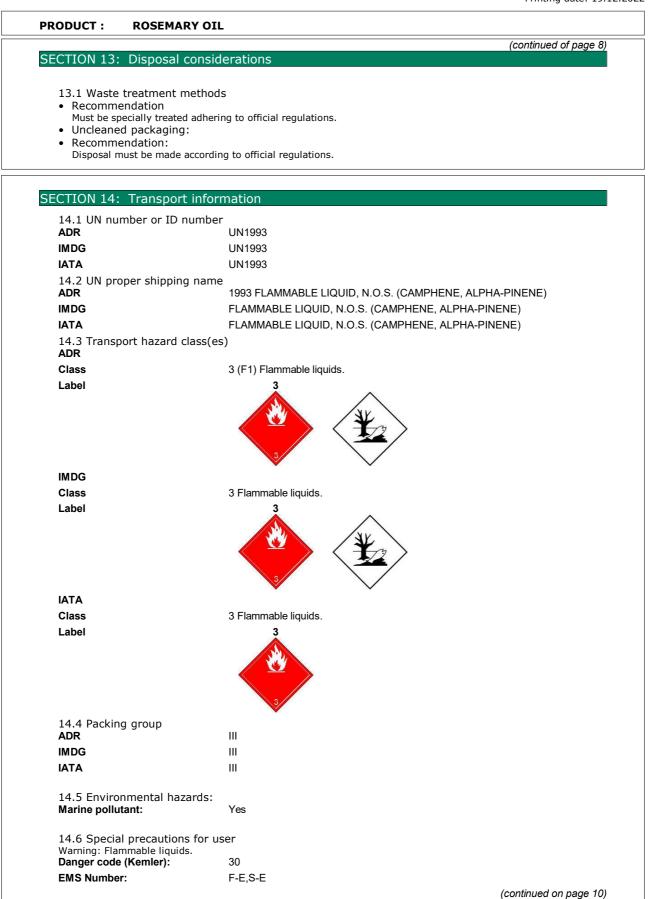


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PRODUCT :	ROSEMARY OIL	
		(continued of page 7)
 Aspirati 		
	atal if swallowed and enters airways.	
	atal if swallowed and enters airways.	
 Subacu 	te to chronic toxicity:	
	ROSEMARY OIL	
	OAEL: 1000 mg/kg (rat) (OECD 422, 2013)	
	nal toxicological information:	he calculation method of the General EU Classification
	es for Preparations as issued in the latest version	
Harmful		
Irritant		
	jenic if inhaled. mation on other hazards	
	ne disrupting properties	
	of the ingredients is listed.	
SECTION 12	2: Ecological information	
12.1 Toxic		
 Aquatic 	,	
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]hepta	in-2-one
	h: 26,82 mg/l (daphnia)	
· ·	-72h): 23,8 mg/l (algae)	
99-87-6 LD50: 1,	p-cymene ,63 mg/l (fish) (OECD 203)	
5989-27-5		
	,71 mg/l (fish) (OECD 203)	
123-35-3	Myrcene	
LD50: 0,	,51 mg/l (fish) (OECD 203) h: 0,65 mg/l (daphnia)	
78-70-6	Linalool 7,8 mg/l (fish) ((OECD 203) RIFM 1991)	
	-72h): 156,7 mg/l (algae)	
	-48h): 59 mg/l (daphnia) ((OECD 202)	
12.2 Persi	istence and degradability	
1212 1 0101	ROSEMARY OIL	
OECD 301:	70 % (in vitro) (301F 28 days, 2011)	
	our in environmental systems:	
Not dete		
	ccumulative potential	
No further r	relevant information available.	
12.4 Mobi	lity in soil	
	relevant information available.	
	Its of PBT and vPvB assessment	
PBT:	i sa bi s	
Not appl • vPvB:	ICable.	
• VPVB: Not appl	icable.	
	ocrine disrupting properties	
	t does not contain substances with endocrine di	srupting properties.
12 6 Othe	r adverse effects	
	relevant information available.	
	cal effects:	
Not dete		
Remark		
* Toxic for		
Addition General	nal ecological information:	
	r aquatic organisms	
	duct contains materials that are harmful to the e	environment.
FU		



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RODUCT : ROSEM	ARY OIL	
14.7 Maritime transp Not applicable.	ort in bulk according to IMO instruments	(continued of page 9)
 Transport/Addition Not applicable. 	al information:	
ADR Excepted quantities (E	2): E1	
Limited quantities (LQ)	5L	
Transport category	3	
Tunnel restriction code		
IMDG	DIE	
Limited quantities (LQ)	5L	
Excepted quantities (EQ)		
• • •)	
 UN "Model Regulat UN 1993 FLAMMABLE ENVIRONMENTALLY F 	LIQUID, N.O.S. (CAMPHENE, ALPHA-PINENE), 3, III,	
DIRECTIVE 2011/6 and electronic equ	nd environmental regulations/legislation specif 5/EU on the restriction of the use of certain ha pment - Annex II	
under Article 5(3)) None of the ingredier	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v ts is listed.	alue for the purpose of licensing
 REGULATION (EU) Annex I - RESTRIC under Article 5(3)) None of the ingredier Annex II - REPORT None of the ingredier Regulation (EC) No 108-88-3 toluenes Regulation (EC) No 	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v ABLE EXPLOSIVES PRECURSORS ts is listed. 273/2004 on drug precursors 3 111/2005 laying down rules for the monitorin	
 REGULATION (EU) Annex I - RESTRIC under Article 5(3)) None of the ingredier Annex II - REPORT None of the ingredier Regulation (EC) No 108-88-3 toluene : Regulation (EC) No Community and th 108-88-3 toluene : 	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v. ABLE EXPLOSIVES PRECURSORS ts is listed. 273/2004 on drug precursors 111/2005 laying down rules for the monitorin rd countries in drug precursors 3	
 REGULATION (EU) Annex I - RESTRIC under Article 5(3)) None of the ingredier Annex II - REPORT None of the ingredier Regulation (EC) No 108-88-3 toluenes Regulation (EC) No Community and th 	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v. ABLE EXPLOSIVES PRECURSORS ts is listed. 273/2004 on drug precursors 111/2005 laying down rules for the monitorin rd countries in drug precursors 3	
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 REGULATION (EU) Annex I - RESTRIC under Article 5(3)) None of the ingredier Annex II - REPORT None of the ingredier Regulation (EC) No 108-88-3 toluene : Regulation (EC) No Community and th 108-88-3 toluene : National regulation Technical instruction Class Share in % I 11,46 III Waterhazard class 	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v. ABLE EXPLOSIVES PRECURSORS ts is listed. 273/2004 on drug precursors 111/2005 laying down rules for the monitorin rd countries in drug precursors 3	
 REGULATION (EU) Annex I - RESTRIC under Article 5(3)) None of the ingredier Annex II - REPORT None of the ingredier Regulation (EC) No 108-88-3 toluene Regulation (EC) No Community and th 108-88-3 toluene National regulation Technical instruction Class Share in % I 11,46 III Waterhazard class 2 15.2 Chemical safety 	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v. ABLE EXPLOSIVES PRECURSORS ts is listed. 273/2004 on drug precursors 111/2005 laying down rules for the monitorin rd countries in drug precursors 3 s: ns (air):	
 REGULATION (EU) Annex I - RESTRIC under Article 5(3)) None of the ingredier Annex II - REPORT None of the ingredier Regulation (EC) No 108-88-3 toluene Regulation (EC) No Community and th 108-88-3 toluene National regulation Technical instruction Class Share in % I 11,46 III Waterhazard class 2 15.2 Chemical safety 	2019/1148 TED EXPLOSIVES PRECURSORS (Upper limit v. ABLE EXPLOSIVES PRECURSORS ts is listed. 273/2004 on drug precursors 111/2005 laying down rules for the monitorin rd countries in drug precursors 3 s: ns (air): (Self-assessment): hazardous for water. assessment: sment has not been carried out.	

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.
- H228 Flammable solid.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.

(continued on page 11)



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	PRODUCT :	ROSEMARY OIL
		(continued of page 10)
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
*	H331	Toxic if inhaled.
*	H332	Harmful if inhaled.
*	H371	May cause damage to organs.
*	H400	Very toxic to aquatic life.
*	H410	Very toxic to aquatic life with long lasting effects.
*	H411	Toxic to aquatic life with long lasting effects.
*	H412	Harmful to aquatic life with long lasting effects.
	purpose o labeling 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 f the product. tions and acronyms:
	IFRA:Intel Fragrance ADR: Acco the Intern dangereus RID: Règle Concernin transport Dangerous IMDG: Int DOT: US I IATA: Intel ICAO: Int GHS: Glot Classificat ELINCS: E Commerci ELINCS: E CAS: Cher (division o LCS0: Lett PBT: Persi vPvB: vern CE50: effe in either g	rnational Fragrance Association IOFI:International Organization of the Flavor Industry IFRA:International 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) ADR: Accord européen sur le transport des marchandises es par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) ement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations g the International concernant le transport des marchandises dangereuses par chemin de fer (Regulations g the International Transport of Dangerous Goods by Rail) RID: Règlement international Concernant le des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Goods by Rail) ernational Maritime Code for Dangerous Goods IMDG: International Maritime Code for Dangerous Goods Department of Transport Association IDT: US Department of Transport Association ernational Air Transport Association ICAO: International Civil Aviation Organisation and Labelling of Chemicals GHS: Globally Harmonised System of ion and Labelling of Chemicals GHS: Globally Harmonised System of Existing Commercial Chemical Substances EINECS: European Inventory of Existing Commercial Chemical Society) CAS: Chemical Abstracts Service (division of the American Chemical Society) CAS: Chemical Abstracts Service of the American Chemical Society) and concentration, 50 percent LC50: Lethal concentration, 50 percent and very Bioaccumulative and Toxic PPP: Persistent, Bioaccumulative to the control within 72hrs exposure.
		Labelling Manual,REACH registration dossier,supplier information