

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name **CANDLE - ELIE SAAB**
UFI : **NC90-4094-C000-SPE2**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Industrial	Professional	Consumer
Perfumed candle for environments.	-	-	✓
Uses Advised Against			
Do not use as a perfume per person.			

1.3. Details of the supplier of the safety data sheet

Name **CULTI MILANO S.p.A.**
Full address **Via dell'Aprica, 12**
District and Country **20158 Milano (MI)**
Italia
Tel. **+39 02/49784974**
Fax **+39 02/49789135**

e-mail address of the competent person responsible for the Safety Data Sheet **culti@culti.com**

1.4. Emergency telephone number

For urgent inquiries refer to **CULTI MILANO S.p.A. +39 02/49784974 (08:00 - 17:00, Italian time zone)**
(AT): +43 1 406 43 43, (BE): +32 070/245.245, (BG): +359 2 9154 233, (CY): 1401,
(HR): +385 1-23-48-342,112, (DK): +45 8212 1212, (EE): 16662, 112, (FI): 0800 147
111, 09 471 977, (FR): +33 (0)1 45 42 59 59, (DE): +49 030 - 192 40, +49 0228 - 192 40,
+49 0361 - 730 730, +49 761 - 192 40, +49 0551 - 192 40, +49 06131 - 192 40, +49
06131 - 192 40, (GR): 0030 210 7793777, (IE): +353 01 837 9964, (IS): +354 543 2222,
(LV): 112, +371 67042473, (LI): +43 1 406 43 43, (LT): +370 (5) 236 2052, (LU): (+352)
8002 5500, (MT): 112, (NO): +47 22 59 13 00, (NL): +31 (0)88 755 8000, (PL): 112,
(PT): +351 800 250 250, (GB): 111, (CZ): +420 224 919 293, +420 224 915 402, (RO):
+40 215992300, 021 112, (SK): +421 2 5477 4166, (SI): 112, (ES): + 34 91 562 04 20,
(SE): 112, (CH): 145, (HU): +36-80-20-11-99

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin sensitization, category 1B	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

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2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Signal words:Warning

Hazard statements:H317May cause an allergic skin reaction.
H412Harmful to aquatic life with long lasting effects.

Precautionary statements:P280Wear protective gloves.
P102Keep out of reach of children.
P101If medical advice is needed, have product container or label at hand.
P261Avoid breathing dust / fume / gas / mist / vapours / spray.
P333+P313If skin irritation or rash occurs: Get medical advice / attention.
P362+P364Take off contaminated clothing and wash it before reuse.

Contains:LINALYL ACETATE
d-LIMONENE
LINALOOL
(E)-2-METHOXY-4-(PROP-1- ENYL)PHENOL
COUMARIN
(E)-3-METHYL-5-CYCLOPENTADECEN1-ONE
β-PINENE
GERANIOL
CITRAL
[3R-(3α,3αβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULEN
E
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
d-LIMONENE		
INDEX	601-096-00-2	1 ≤ x < 2,5
EC	227-813-5	
CAS	5989-27-5	
LINALOOL		
INDEX	603-235-00-2	1 ≤ x < 2,5
EC	201-134-4	
CAS	78-70-6	
REACH Reg.	01-2119474016-42	

Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 3 H412

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317

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LINALYL ACETATE INDEX 1 ≤ x < 2,5 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317 EC 204-116-4 CAS 115-95-7 REACH Reg. 01-2119454789-19 (2-METHOXYMETHYLETHOXY)PROPANOL INDEX 0,5 ≤ x < 1 Substance with a community workplace exposure limit. EC 252-104-2 CAS 34590-94-8 REACH Reg. 01-2119450011-60 2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE INDEX 0,5 ≤ x < 1 Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 1 H410 M=1 EC 915-730-3 CAS REACH Reg. 01-2119489989-04 [3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE INDEX 0,5 ≤ x < 1 Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 EC 267-510-5 CAS 67874-81-1 REACH Reg. 01-2120228335-61 CITRAL INDEX 605-019-00-3 0,1 ≤ x < 0,25 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317 EC 226-394-6 CAS 5392-40-5 REACH Reg. 01-2119462829-23 GERANIOL INDEX 603-241-00-5 0,1 ≤ x < 0,25 Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317 EC 203-377-1 CAS 106-24-1 REACH Reg. 01-2119552430-49 β-PINENE INDEX 0,1 ≤ x < 0,25 Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 EC 242-060-2 CAS 18172-67-3 (E)-3-METHYL-5-CYCLOPENTADECEN-1-ONE INDEX 606-119-00-X 0,1 ≤ x < 0,25 Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 EC 429-900-5 CAS 82356-51-2 REACH Reg. 01-0000017618-62 COUMARIN INDEX 0,1 ≤ x < 0,25 Acute Tox. 4 H302, Skin Sens. 1B H317 EC 202-086-7 CAS 91-64-5 REACH Reg. 01-2119949300-45 (E)-2-METHOXY-4-(PROP-1-ENYL)PHENOL INDEX 604-094-00-X 0,001 ≤ x < 0,01 Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Skin Sens. 1A H317 EC 227-678-2 Skin Sens. 1A H317: ≥ 0,01% CAS 5932-68-3 LD50 Oral: 541,5 mg/kg, LD50 Dermal: 1911,6 mg/kg, ATE Inhalation mists/powders: 1,5 mg/l			
The full wording of hazard (H) phrases is given in section 16 of the sheet.			
SECTION 4. First aid measures			
4.1. Description of first aid measures			
EYES: Remove contact lenses, if present, if the situation allows you to carry out the operation easily. Wash immediately and abundantly with water for at least 15 minutes, opening the eyelids well. If symptoms occur, consult a doctor. SKIN: Remove all contaminated clothing immediately. Wash immediately and abundantly with running water. Consult a doctor immediately. INGESTION: Rinse mouth with water. Do not induce vomiting unless specifically authorized by your doctor. Do not give anything by mouth if the person is unconscious. If symptoms occur, consult a doctor. INHALATION: Move the subject to fresh air, away from the accident site. In case of respiratory symptoms, keep the victim in a position comfortable for breathing. If necessary administer oxygen. If symptoms occur, consult a doctor.			
Rescuer protection			
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It is good practice for the rescuer who provides help to a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of these protections depends on the hazard of the substance or mixture, the mode of exposure and the extent of contamination. In the absence of other more specific indications, it is recommended to use disposable gloves in case of possible contact with biological liquids. For the type of PPE suitable for the characteristics of the substance or mixture, refer to section 8.

4.2. Most important symptoms and effects, both acute and delayed

ACUTE EFFECTS

SKIN: allergic reaction.

DELAYED EFFECTS

SKIN: sensitization, allergic contact dermatitis.

4.3. Indication of any immediate medical attention and special treatment needed

Useful medical intervention.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye washing.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS

The extinguishing media are: carbon dioxide, foam, chemical powder. For product leaks and spills that have not ignited, water spray can be used to disperse flammable vapors and protect those trying to stop the leak.

UNSUITABLE EXTINGUISHING MEANS

Do not use water jets.

Water is not effective in extinguishing fire, however, it can be used to cool closed containers exposed to flame, preventing explosions and explosions.

5.2. Special hazards arising from the substance or mixture

DANGERS DUE TO EXPOSURE IN THE EVENT OF FIRE

Avoid breathing combustion products. In the event of a fire it may develop carbon oxides.

5.3. Advice for firefighters

SPECIFIC PROTECTIVE MEANS

Wear self-contained breathing apparatus and full heat and flame resistant protective suits.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If there are no contraindications, spray powder with water to prevent the formation of dust.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product and place it in containers for recovery or disposal. If there are no contraindications, use jets of water to eliminate product residues.

Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

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SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Refer to the uses identified in section 1.2. For applications other than those described, contact the supplier.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари 2020г.)
CZE	Česká Republika	NAŘÍZENÍ VLÁDY ze dne 10. května 2021, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
EST	Eesti	Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötavishoiu ja tööohutuse nõuded ning töökeskkonna keemiliste ohutegurite piirnormid [RT I, 21.12.2022, 14]
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVÄRDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία"»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
LTU	Lietuva	Jsakymas dėl lietuvos higienos normos hn 23:2011 „cheminių medžiagų profesinio poveikio ribiniai dydžiai. Matavimo ir poveikio vertinimo bendrieji reikalavimai“ patvirtinimo
LVA	Latvija	Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení

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SVN

Slovenija

neskorših predpisov

TUR

Türkiye

Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733; 20.10.2023 / 32345.

GBR

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

EU

OEL EU

Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.

TLV-ACGIH

ACGIH 2023

GERANIOL

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,011	mg/l
Normal value in marine water	0,001	mg/l
Normal value for fresh water sediment	0,115	mg/kg/d
Normal value for marine water sediment	0,011	mg/kg/d
Normal value for marine water, intermittent release	0,108	mg/l
Normal value of STP microorganisms	0,7	mg/l
Normal value for the terrestrial compartment	0,017	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				2				
				mg/kg bw/d				
Inhalation				3,5				11,8
				mg/m3				mg/m3
Skin			1180	2,5			11800	4,2
			µg/cm2	mg/kg bw/d			µg/cm2	mg/kg bw/d

LINALYL ACETATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,011	mg/l
Normal value in marine water	0,001	mg/l
Normal value for fresh water sediment	0,609	mg/kg/d
Normal value for marine water sediment	0,061	mg/kg/d
Normal value for marine water, intermittent release	0,11	mg/l
Normal value of STP microorganisms	1	mg/l
Normal value for the terrestrial compartment	0,115	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				0,2				
				mg/kg bw/d				
Inhalation				0,68			236,2	2,75
				mg/m3				mg/m3
Skin	0,236		0,236	1,25	0,236		0,236	2,5
	mg/cm2		mg/cm2	mg/kg bw/d	mg/cm2		mg/cm2	mg/kg bw/d

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β-PINENE								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				1,004	µg/l			
Normal value in marine water				0,1	µg/l			
Normal value for fresh water sediment				0,337	mg/kg/d			
Normal value for marine water sediment				0,034	mg/kg/d			
Normal value for marine water, intermittent release				5,02	µg/l			
Normal value of STP microorganisms				3,26	mg/l			
Normal value for the food chain (secondary poisoning)				13,1	mg/kg			
Normal value for the terrestrial compartment				0,067	mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,3 mg/kg bw/d				
Inhalation				1 mg/m3				5,69 mg/m3
Skin			27 µg/cm2	0,3 mg/kg bw/d			54 µg/cm2	0,8 mg/kg bw/d

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(2-METHOXYMETHYLETHOXY)PROPANOL								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	308	50			SKIN		
TLV	CZE	270	43,74	550	89,1	SKIN		
AGW	DEU	310	50	310	50			
MAK	DEU	310	50	310	50			
TLV	DNK	309	50			SKIN E		
VLA	ESP	308	50			SKIN		
TLV	EST	308	50			SKIN		
VLEP	FRA	308	50			SKIN		
HTP	FIN	310	50			SKIN		
TLV	GRC	600	100	900	150			
AK	HUN	308						
VLEP	ITA	308	50			SKIN		
RD	LTU	308	50	450	75	SKIN		
RV	LVA	308	50			SKIN		
TLV	NOR	300	50			SKIN		
TGG	NLD	300						
VLE	PRT	308	50			SKIN		
NDS/NDSch	POL	240		480		SKIN		
TLV	ROU	308	50			SKIN		
NGV/KGV	SWE	300	50	450 (C)	75 (C)	SKIN		
NPEL	SVK	308	50			SKIN		
MV	SVN	308	50			SKIN		
ESD	TUR	308	50			SKIN		
WEL	GBR	308	50			SKIN		
OEL	EU	308	50			SKIN		
TLV-ACGIH			50					
Predicted no-effect concentration - PNEC								
Normal value in fresh water						19	mg/l	
Normal value in marine water						1,9	mg/l	
Normal value for fresh water sediment						70,2	mg/kg/d	
Normal value for marine water sediment						7,02	mg/kg/d	
Normal value for marine water, intermittent release						190	mg/l	
Normal value of STP microorganisms						4168	mg/l	
Normal value for the terrestrial compartment						2,74	mg/kg/d	
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumers				Effects on workers			
Route of exposure	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				36				
				mg/kg bw/d				
Inhalation				37,2				308
				mg/m3				mg/m3
Skin				121				283
				mg/kg bw/d				mg/kg
								bw/d

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CITRAL								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
TLV-ACGIH			5					
Predicted no-effect concentration - PNEC								
Normal value in fresh water						0,007	mg/l	
Normal value in marine water						0,001	mg/l	
Normal value for fresh water sediment						0,125	mg/kg/d	
Normal value for marine water sediment						0,013	mg/kg/d	
Normal value for marine water, intermittent release						0,068	mg/l	
Normal value of STP microorganisms						16	mg/l	
Normal value for the terrestrial compartment						0,021	mg/kg/d	
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,6 mg/kg bw/d				
Inhalation				2,7 mg/m3				9 mg/m3
Skin			140 µg/cm2	1 mg/kg bw/d			140 µg/cm2	1,7 mg/kg bw/d

(E)-2-METHOXY-4-(PROP-1- ENYL)PHENOL								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				4,7	µg/l			
Normal value in marine water				0,47	µg/l			
Normal value for fresh water sediment				0,047	mg/kg/d			
Normal value for marine water sediment				0,005	mg/kg/d			
Normal value for marine water, intermittent release				0,047	mg/l			
Normal value for fresh water, intermittent release				4,7	µg/l			
Normal value of STP microorganisms				10	mg/l			
Normal value for the food chain (secondary poisoning)				41,5	mg/kg			
Normal value for the terrestrial compartment				0,007	mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers			Chronic systemic	Effects on workers			
	Acute local	Acute systemic	Chronic local		Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,85 mg/kg bw/d				
Inhalation				1,5 mg/m3				6 mg/m3
Skin				0,85 mg/kg bw/d				1,71 mg/kg bw/d

SECTION 8. Exposure controls/personal protection ... / >>

d-LIMONENE						
Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	28	5	112	20	SKIN
MAK	DEU	28	5	112	20	SKIN
VLA	ESP	168	30			SKIN
HTP	FIN	140	25	280	50	
TLV	NOR	140	25			
MV	SVN	28	5	112	20	SKIN

Predicted no-effect concentration - PNEC		
Normal value in fresh water	14	µg/l
Normal value in marine water	1,4	µg/l
Normal value for fresh water sediment	3,85	mg/kg/d
Normal value for marine water sediment	0,385	mg/kg/d
Normal value of STP microorganisms	1,8	mg/l
Normal value for the food chain (secondary poisoning)	133	mg/kg
Normal value for the terrestrial compartment	0,763	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral			4,8	4,8				
				mg/kg bw/d				
Inhalation			16,6	16,6			66,7	66,7
				mg/m3				mg/m3
Skin			4,8	4,8			9,5	9,5
				mg/kg bw/d				mg/kg bw/d

[3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE								
Predicted no-effect concentration - PNEC								
Normal value in fresh water	0,43	µg/l						
Normal value in marine water	0,043	µg/l						
Normal value for fresh water sediment	1,29	mg/kg/d						
Normal value for marine water sediment	0,129	mg/kg/d						
Normal value of STP microorganisms	100	mg/l						
Normal value for the terrestrial compartment	0,257	mg/kg/d						
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				2,7				
				mg/kg bw/d				
Inhalation				4,7				16,1
				mg/m3				mg/m3
Skin			1220	2,7			2030	4,5
			µg/cm2	mg/kg bw/d			µg/cm2	mg/kg bw/d

SECTION 8. Exposure controls/personal protection ... / >>

LINALOOL								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,2	mg/l		
Normal value in marine water					0,02	mg/l		
Normal value for fresh water sediment					2,22	mg/kg/d		
Normal value for marine water sediment					0,222	mg/kg/d		
Normal value for marine water, intermittent release					2	mg/l		
Normal value of STP microorganisms					10	mg/l		
Normal value for the food chain (secondary poisoning)					7,8	mg/kg		
Normal value for the terrestrial compartment					0,327	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				2,49 mg/kg bw/d				
Inhalation				4,33 mg/m3				24,58 mg/m3
Skin	1,5 mg/cm2		1,5 mg/cm2	1,25 mg/kg bw/d	3 mg/cm2		3 mg/cm2	3,5 mg/kg bw/d

(E)-3-METHYL-5-CYCLOPENTADECEN1-ONE								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					2,42	µg/l		
Normal value in marine water					0,242	µg/l		
Normal value for fresh water sediment					3,66	mg/kg/d		
Normal value for marine water sediment					0,37	mg/kg/d		
Normal value for marine water, intermittent release					2,2	µg/l		
Normal value of STP microorganisms					10	mg/l		
Normal value for the food chain (secondary poisoning)					111,1	mg/kg		
Normal value for the terrestrial compartment					2,34	mg/kg/d		

COUMARIN								
Predicted no-effect concentration - PNEC								
Normal value in fresh water					19	µg/l		
Normal value in marine water					1,9	µg/l		
Normal value for fresh water sediment					0,15	mg/kg/d		
Normal value for marine water sediment					0,015	mg/kg/d		
Normal value for marine water, intermittent release					14,2	µg/l		
Normal value of STP microorganisms					6,4	mg/l		
Normal value for the food chain (secondary poisoning)					30,7	mg/kg		
Normal value for the terrestrial compartment					0,018	mg/kg/d		
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,39 mg/kg bw/d				
Inhalation				1,69 mg/m3				6,78 mg/m3
Skin				0,39 mg/kg bw/d				0,79 mg/kg bw/d

SECTION 8. Exposure controls/personal protection ... / >>

2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				25	µg/l			
Normal value in marine water				2,5	µg/l			
Normal value for fresh water sediment				3,73	mg/kg/d			
Normal value for marine water sediment				0,75	mg/kg/d			
Normal value of STP microorganisms				10	mg/l			
Normal value for the food chain (secondary poisoning)				26,7	mg/kg			
Normal value for the terrestrial compartment				2,7	mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3 mg/kg bw/d				
Inhalation				9 mg/m3				30 mg/m3
Skin			380 µg/cm2	17,2 mg/kg bw/d			648 µg/cm2	28,7 mg/kg bw/d

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.
Provide an emergency shower with face and eye wash station.
HAND PROTECTION
In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).
Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.
SKIN PROTECTION
Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.
EYE PROTECTION
Wear airtight protective goggles (see standard EN ISO 16321).
RESPIRATORY PROTECTION
None required, unless indicated otherwise in the chemical risk assessment.
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.
Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	wax	
Colour	white	
Odour	characteristic	
Melting point / freezing point	not available	Reason for missing data:not relevant for the characterization of the product
Initial boiling point	not available	Reason for missing data:not relevant for the characterization of the product
Flammability	not flammable	
Lower explosive limit	not applicable	Reason for missing data:the substance/mixture is a solid
Upper explosive limit	not applicable	Reason for missing data:the substance/mixture is a solid
Flash point	not applicable	Reason for missing data:the substance/mixture

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SECTION 9. Physical and chemical properties ... / >>		
Auto-ignition temperature	not applicable	is a solid Reason for missing data:the substance/mixture is a solid
Decomposition temperature	not available	Reason for missing data:not relevant for the characterization of the product
pH	not available	Reason for missing data:substance/mixture is non-soluble (in water)
Kinematic viscosity	not applicable	Reason for missing data:the substance/mixture is a solid
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not applicable	Reason for missing data:substance/mixture is non-soluble (in water)
Vapour pressure	not available	Reason for missing data:not relevant for the characterization of the product
Density and/or relative density	not available	Reason for missing data:not relevant for the characterization of the product
Relative vapour density	not applicable	Reason for missing data:the substance/mixture is a solid
Particle characteristics	not available	
9.2. Other information		
9.2.1. Information with regard to physical hazard classes		
Information not available		
9.2.2. Other safety characteristics		
Information not available		
SECTION 10. Stability and reactivity		
10.1. Reactivity		
There are no particular risks of reaction with other substances in normal conditions of use.		
10.2. Chemical stability		
The product is stable in normal conditions of use and storage.		
10.3. Possibility of hazardous reactions		
The vapours may also form explosive mixtures with the air.		
10.4. Conditions to avoid		
Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.		
10.5. Incompatible materials		
Incompatible with: strong oxidizing agents.		
10.6. Hazardous decomposition products		
In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.		
SECTION 11. Toxicological information		
In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.		
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Metabolism, toxicokinetics, mechanism of action and other information		
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SECTION 11. Toxicological information ... / >>

Information not available

Information on likely routes of exposure

The most likely routes of exposure are oral and dermal

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Refer to section 4.2

Interactive effects

None known

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

GERANIOL	
LD50 (Dermal):	> 5000 mg/kg
LD50 (Oral):	3600 mg/kg

LINALYL ACETATE	
LD50 (Dermal):	> 5000 mg/kg
LD50 (Oral):	> 9000 mg/kg

β-PINENE	
LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	3700 mg/kg

(2-METHOXYMETHYLETHOXY)PROPANOL	
LD50 (Dermal):	9510 mg/kg OECD 402
LD50 (Oral):	> 5000 mg/kg OECD 401

CITRAL	
LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	6800 mg/kg

(E)-2-METHOXY-4-(PROP-1- ENYL)PHENOL	
LD50 (Dermal):	1911,6 mg/kg OECD 402
LD50 (Oral):	541,5 mg/kg

d-LIMONENE	
LD50 (Dermal):	> 5000 mg/kg
LD50 (Oral):	> 2000 mg/kg OECD 423

[3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE	
LD50 (Dermal):	> 5000 mg/kg OECD 402
LD50 (Oral):	> 5000 mg/kg OECD 401

LINALOOL	
LD50 (Dermal):	5610 mg/kg OECD 402
LD50 (Oral):	2200 mg/kg OECD 401

(E)-3-METHYL-5-CYCLOPENTADECEN1-ONE	
LD50 (Dermal):	> 2000 mg/kg OECD 401
LD50 (Oral):	> 2000 mg/kg OECD 401

COUMARIN	
LD50 (Oral):	500 mg/kg OECD 401

2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE	
LD50 (Dermal):	> 5000 mg/kg OECD 402
LD50 (Oral):	> 5000 mg/kg OECD 401

SKIN CORROSION / IRRITATION

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SECTION 11. Toxicological information ... / >>			
Does not meet the classification criteria for this hazard class			
<u>SERIOUS EYE DAMAGE / IRRITATION</u>			
Does not meet the classification criteria for this hazard class			
<u>RESPIRATORY OR SKIN SENSITISATION</u>			
Sensitising for the skin			
<u>GERM CELL MUTAGENICITY</u>			
Does not meet the classification criteria for this hazard class			
<u>CARCINOGENICITY</u>			
Does not meet the classification criteria for this hazard class			
<u>REPRODUCTIVE TOXICITY</u>			
Does not meet the classification criteria for this hazard class			
<u>STOT - SINGLE EXPOSURE</u>			
Does not meet the classification criteria for this hazard class			
<u>STOT - REPEATED EXPOSURE</u>			
Does not meet the classification criteria for this hazard class			
<u>ASPIRATION HAZARD</u>			
Does not meet the classification criteria for this hazard class			
11.2. Information on other hazards			
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.			
SECTION 12. Ecological information			
This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.			
12.1. Toxicity			
GERANIOL			
LC50 - for Fish	22 mg/l/96h OECD 203		
EC50 - for Crustacea	10,8 mg/l/48h OECD 202		
EC50 - for Algae / Aquatic Plants	13,9 mg/l/72h OECD 201		
EC10 for Algae / Aquatic Plants	1 mg/l/72h OECD 201		
LINALYL ACETATE			
LC50 - for Fish	11 mg/l/96h OECD 203		
EC50 - for Crustacea	59 mg/l/48h OECD 202		
EC50 - for Algae / Aquatic Plants	68 mg/l/72h OECD 201		
EC10 for Algae / Aquatic Plants	3,9 mg/l/72h OECD 201		
β-PINENE			
LC50 - for Fish	0,502 mg/l/96h QSAR		
EC50 - for Crustacea	1,194 mg/l/48h		
EC50 - for Algae / Aquatic Plants	0,7 mg/l/72h OECD 201		
EC10 for Algae / Aquatic Plants	0,378 mg/l		
(2-METHOXYMETHYLETHOXY)PROPANOL			
LC50 - for Fish	> 1000 mg/l/96h OECD 203		
EC50 - for Crustacea	1919 mg/l/48h OECD 202		
EC50 - for Algae / Aquatic Plants	> 969 mg/l/72h OECD 201		
EC10 for Algae / Aquatic Plants	969 mg/l/72h OECD 201		
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SECTION 12. Ecological information ... / >>	
Chronic NOEC for Crustacea	0,5 mg/l OECD 211
CITRAL	
LC50 - for Fish	6,78 mg/l/96h DIN 38412
EC50 - for Crustacea	6,8 mg/l/48h
EC50 - for Algae / Aquatic Plants	103,8 mg/l/72h DIN 38412
EC10 for Algae / Aquatic Plants	3 mg/l/72h DIN 38412
(E)-2-METHOXY-4-(PROP-1- ENYL)PHENOL	
LC50 - for Fish	9,3 mg/l/96h
EC50 - for Crustacea	4,7 mg/l/48h
EC50 - for Algae / Aquatic Plants	13,9 mg/l/72h
d-LIMONENE	
LC50 - for Fish	0,72 mg/l/96h OECD 203
EC50 - for Crustacea	0,307 mg/l/48h OECD 202
EC50 - for Algae / Aquatic Plants	0,32 mg/l/72h OECD 201
LC10 for Fish	0,37 mg/l/8d OECD 212
EC10 for Crustacea	0,153 mg/l/21d OECD 211
EC10 for Algae / Aquatic Plants	0,174 mg/l/72h OECD 201
Chronic NOEC for Crustacea	0,08 mg/l OECD 211
[3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE	
LC50 - for Fish	0,43 mg/l/96h OECD 203
EC50 - for Crustacea	0,48 mg/l/48h OECD 202
EC50 - for Algae / Aquatic Plants	> 1,8 mg/l/72h OECD 201
EC10 for Algae / Aquatic Plants	0,7 mg/l/72h OECD 201
Chronic NOEC for Algae / Aquatic Plants	0,51 mg/l OECD 201
LINALOOL	
LC50 - for Fish	27,8 mg/l/96h OECD 203
EC50 - for Crustacea	59 mg/l/48h OECD 202
EC10 for Algae / Aquatic Plants	54,3 mg/l/4d
(E)-3-METHYL-5-CYCLOPENTADECEN1-ONE	
LC50 - for Fish	0,22 mg/l/96h OECD 203
EC50 - for Crustacea	0,39 mg/l/48h OECD 202
EC50 - for Algae / Aquatic Plants	> 0,69 mg/l/72h OECD 201
Chronic NOEC for Fish	0,18 mg/l/28d OECD 212
Chronic NOEC for Crustacea	0,121 mg/l/21d OECD 212
COUMARIN	
LC50 - for Fish	37,62 mg/l/96h
EC50 - for Crustacea	82,39 mg/l/48h
EC50 - for Algae / Aquatic Plants	37,88 mg/l/72h
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE	
LC50 - for Fish	1,3 mg/l/96h OECD 203
EC50 - for Crustacea	1,38 mg/l/48h OECD 202
EC50 - for Algae / Aquatic Plants	> 0,73 mg/l/72h OECD 201
EC10 for Crustacea	0,044 mg/l/21d OECD 211
EC10 for Algae / Aquatic Plants	0,133 mg/l/72h OECD 201
Chronic NOEC for Fish	0,16 mg/l/30d OECD 210

12.2. Persistence and degradability	
GERANIOL	
Solubility in water	100 mg/l
Rapidly degradable	90% / 3d, OECD 301A
LINALYL ACETATE	
Solubility in water	30 mg/l
Rapidly degradable	76% / 28d, OECD 301F
β-PINENE	
Rapidly degradable	76% / 28d OECD 301

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SECTION 12. Ecological information ... / >>			
(2-METHOXYMETHYLETHOXY)PROPANOL			
Rapidly degradable		79% / 28d, OECD 301F	
CITRAL			
Rapidly degradable		>90% / 28d EU C.4-D	
(E)-2-METHOXY-4-(PROP-1- ENYL)PHENOL			
Rapidly degradable		79% / 28d, OECD 301F	
d-LIMONENE			
Rapidly degradable		71,4% / 28d, OECD 301B	
[3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE			
Solubility in water		4,3 mg/l	
Rapidly degradable		60% / 28d, OECD 301D	
LINALOOL			
Solubility in water		1560 mg/l	
Rapidly degradable		64% / 28d, OECD 301	
(E)-3-METHYL-5-CYCLOPENTADECEN1-ONE			
Solubility in water		0,69 mg/l	
Rapidly degradable		99,9% / 28d, OECD 302A	
COUMARIN			
Rapidly degradable		90% / 28d OECD 301F	
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE			
Solubility in water		2,68 mg/l	
NOT rapidly degradable		11% / 28d, OECD 301C	
12.3. Bioaccumulative potential			
GERANIOL			
Partition coefficient: n-octanol/water		2,6 OECD 117	
LINALYL ACETATE			
Partition coefficient: n-octanol/water		3,9 OECD 107	
BCF		174 QSAR	
[3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE			
Partition coefficient: n-octanol/water		5,1 Log Kow OECD 117	
BCF		4320 l/kg ww	
LINALOOL			
Partition coefficient: n-octanol/water		2,9	
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE			
Partition coefficient: n-octanol/water		5,65 Log Kow OECD 117	
BCF		391 l/kg ww OECD 305	
12.4. Mobility in soil			
GERANIOL			
Partition coefficient: soil/water		1,85	
LINALYL ACETATE			
Partition coefficient: soil/water		2,64 QSAR	
[3R-(3α,3aβ,6α,7β,8α)]-OCTAHYDRO-6-METHOXY-3,6,8,8-TETRAMETHYL-1H-3a,7-METHANOAZULENE			
Partition coefficient: soil/water		30000 Koc OECD 121	
LINALOOL			
Partition coefficient: soil/water		1,88	
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE			
Partition coefficient: soil/water		12589 Koc	
12.5. Results of PBT and vPvB assessment			
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.			
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SECTION 12. Ecological information ... / >>			
12.6. Endocrine disrupting properties			
Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.			
12.7. Other adverse effects			
Information not available			
SECTION 13. Disposal considerations			
13.1. Waste treatment methods			
Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. The management of waste arising from the use or dispersal of this product must be organised in accordance with occupational safety regulations. See section 8 for possible need for PPE. CONTAMINATED PACKAGING Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.			
SECTION 14. Transport information			
The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.			
14.1. UN number or ID number			
not applicable			
14.2. UN proper shipping name			
not applicable			
14.3. Transport hazard class(es)			
not applicable			
14.4. Packing group			
not applicable			
14.5. Environmental hazards			
not applicable			
14.6. Special precautions for user			
not applicable			
14.7. Maritime transport in bulk according to IMO instruments			
Information not relevant			
SECTION 15. Regulatory information			
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture			
Seveso Category - Directive 2012/18/EU:None			
Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006			
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SECTION 15. Regulatory information ... / >>			
Product			
Point	40		
Contained substance			
Point	75	GERANIOL	
		REACH Reg.: 01-2119552430-49	
Point	75	(E)-2-METHOXY-4-(PROP-1- ENYL)PHENOL	
Point	75	d-LIMONENE	
Point	75	CITRAL	
		REACH Reg.: 01-2119462829-23	
Point	75	LINALOOL	
		REACH Reg.: 01-2119474016-42	
Point	75	(E)-3-METHYL-5-CYCLOPENTADECEN1-ONE	
		REACH Reg.: 01-0000017618-62	
Point	75	p-CYMENE	
Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors			
not applicable			
Substances in Candidate List (Art. 59 REACH)			
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.			
Substances subject to authorisation (Annex XIV REACH)			
None			
Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:			
None			
Substances subject to the Rotterdam Convention:			
None			
Substances subject to the Stockholm Convention:			
None			
Healthcare controls			
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.			
15.2. Chemical safety assessment			
A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.			
SECTION 16. Other information			
Text of hazard (H) indications mentioned in section 2-3 of the sheet:			
Flam. Liq. 3	Flammable liquid, category 3		
Acute Tox. 4	Acute toxicity, category 4		
Asp. Tox. 1	Aspiration hazard, category 1		
Eye Dam. 1	Serious eye damage, category 1		
Eye Irrit. 2	Eye irritation, category 2		
Skin Irrit. 2	Skin irritation, category 2		
STOT SE 3	Specific target organ toxicity - single exposure, category 3		
Skin Sens. 1	Skin sensitization, category 1		
Skin Sens. 1A	Skin sensitization, category 1A		
Skin Sens. 1B	Skin sensitization, category 1B		
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1		
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3		
H226	Flammable liquid and vapour.		
H302	Harmful if swallowed.		
H312	Harmful in contact with skin.		
H332	Harmful if inhaled.		
H304	May be fatal if swallowed and enters airways.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H315	Causes skin irritation.		
H335	May cause respiratory irritation.		
H317	May cause an allergic skin reaction.		
H400	Very toxic to aquatic life.		
EPY 11.8.2 - SDS 1004.14.7			

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H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2019/521 (XII Atp. CLP)
 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
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 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
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 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
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 26. Delegated Regulation (UE) 2024/197 (XXI Atp. CLP)
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- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.