

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Product name
UFI:DIFFUSORE AMBIENTE – GEMMA
2D70-G0E0-900M-JU0K

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

Identified Uses	Industrial	Professional	Consumer
Perfume for environments.	-	-	✓

Uses Advised Against

All uses not indicated in the identified uses.

1.3. Details of the supplier of the safety data sheet

Name
Full address
District and Country
CULTI MILANO S.p.A.
Via dell'Aprica, 12
20158 Milano (MI)
Italytel. +39 02/49784974
fax +39 02/49789135e-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

(AT): +43 14064343 - (BE): +32 070245245 - (BG): +359 29154233 - (CY): 1401
(DK): +45 82121212 - (ES): +34 915620420 - (HR): +385 12348342
(EE): +372 7943794, 16662 - (FI): +358 800 147111 - (FR): +33 (0) 145425959
(DE): 112 - (EL): +30 2107793777 - (IE): +353 (01) 8092166 - (IS): +354 5432222, 112
(LV): +371 67042473, 112 - (LT): +370 (85) 2362052 - (LU): +352 80025500
(MT): 2545 0000 - (NO): +47 22591300 - (NL): +31 (0) 887558000 - (PL): 112
(PT): +351 800250250 - (CZ): +420 224919293 - (RO): +40 212308000
(SK): +421 254774166 - (SI): 112 - (SE): 112 - (HU): +36 80201199

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:

Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Eye irritation, category 2	H319	Causes serious eye irritation.
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:

Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/ protective clothing / eye protection / face protection.
P370+P378 In case of fire: use carbon dioxide / foam / powder to extinguish.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P233 Keep container tightly closed.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.

Contains: 2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE
COUMARIN
ACETYL DIISOAMYLENE
LINALOOL

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage $\geq$ than 0,1%.
The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
ETHANOL		
INDEX 603-002-00-5	$80 \leq x < 100$	Flam. Liq. 2 H225, Eye Irrit. 2 H319
EC 200-578-6		Eye Irrit. 2 H319: $\geq 50\%$
CAS 64-17-5		
REACH Reg. 01-2119457610-43		
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE		

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INDEX -	$0,5 \leq x < 2$	Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC 915-730-3		
CAS -		
REACH Reg. 01-2119489989-04		
LINALOOL		
INDEX 603-235-00-2	$0,25 \leq x < 1$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1B H317
EC 201-134-4		
CAS 78-70-6		
REACH Reg. 01-2119474016-42		
ACETYL DIISOAMYLENE		
INDEX -	$0,25 \leq x < 0,5$	Skin Sens. 1B H317, Aquatic Chronic 2 H411
EC 946-245-5		
CAS -		
REACH Reg. 01-2119980043-42		
COUMARIN		
INDEX -	$0,1 \leq x < 0,25$	Acute Tox. 4 H302, Skin Sens. 1B H317
EC 202-086-7		LD50 Oral: 520 mg/kg
CAS 91-64-5		
α-CEDRENE		
INDEX -	$0,025 \leq x < 0,1$	Asp. Tox. 1 H304, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=10
EC 207-418-4		
CAS 469-61-4		
β-CEDRENE		
INDEX -	$0,025 \leq x < 0,1$	Asp. Tox. 1 H304, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=10
EC 208-898-8		
CAS 546-28-1		

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. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures**5.1. Extinguishing media**

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Block the leakage if there is no hazard.

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.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

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 into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. 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. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.		
7.2. Conditions for safe storage, including any incompatibilities		
Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. 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)		
Information not available		
SECTION 8. Exposure controls/personal protection		
8.1. Control parameters		
Regulatory References:		
AUS	Österreich	Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021 , Fassung vom 17.06.2021
BEL	Belgique	Liste de valeurs limites d'exposition aux agents chimiques, livre VI du code du bien-être au travail
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.)
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz: MAK (SUVA)
CZE	Česká Republika	Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
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 2021
EST	Eesti	Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötavishoiu ja tööohutuse nõuded ning töökeskonna keemiliste ohtegurite piirnormid [RT I, 17.10.2019, 1 - jõust. 17.01.2020]
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
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 μεταλλαζιγόνους 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
IRL	Éire	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
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
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie

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ROU	România	w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea și completarea hotărârii guvernului nr. 1.093/2006 Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1) 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 neskorších predpisov Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19) EH40/2005 Workplace exposure limits (Fourth Edition 2020) ACGIH 2021			
SWE	Sverige				
SVK	Slovensko				
SVN	Slovenija				
GBR	United Kingdom TLV-ACGIH				
ETHANOL					
Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
MAK	AUS	1900	1000	3800	2000
VLEP	BEL	1907	1000		
TLV	BGR	1000			
MAK	CHE	960	500	1920	1000
VME/VLE	CHE	960	500	1920	1000
TLV	CZE	1000	522	3000	1566
AGW	DEU	380	200	1520	800
MAK	DEU	380	200	1520	800
TLV	DNK	1900	1000		
VLA	ESP			1910	1000
TLV	EST	1000	500	1900	1000
VLEP	FRA	1900	1000	9500	5000
HTP	FIN	1900	1000	2500	1300
TLV	GRC	1900	1000		
AK	HUN	1900		3800	
OELV	IRL				1000
RD	LTU	1000	500	1900	1000
RV	LVA	1000			
TLV	NOR	950	500		
TGG	NLD	260		1900	SKIN
NDS/NDSch	POL	1900			
TLV	ROU	1900	1000	9500	5000
NGV/KGV	SWE	1000	500	1900 (C)	1000 (C)
NPEL	SVK	960	500	1920	1000
MV	SVN	960	500	1920	1000
WEL	GBR	1920	1000		
TLV-ACGIH				1884	1000
Predicted no-effect concentration - PNEC					
Normal value in fresh water				0,96	mg/l
Normal value in marine water				0,79	mg/l

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Normal value for fresh water sediment		3,6			mg/kg/d			
Normal value for marine water sediment		2,9			mg/kg/d			
Normal value for marine water, intermittent release		2,75			mg/l			
Normal value of STP microorganisms		580			mg/l			
Normal value for the food chain (secondary poisoning)		380			mg/kg			
Normal value for the terrestrial compartment		0,63			mg/kg/d			
Health - Derived no-effect level - DNEL / DMEL								
		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				114 mg/m3				380 mg/m3
Skin								8238 mg/kg bw/d
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								
		Effects on consumers			Effects on workers			
Route of exposure	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
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								
		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,39 mg/kg bw/d				

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Inhalation		1,69 mg/m3			6,78 mg/m3				
Skin		0,39 mg/kg bw/d			0,79 mg/kg bw/d				
2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE									
Predicted no-effect concentration - PNEC									
Normal value in fresh water		4,4			µg/l				
Normal value in marine water		0,44			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									
		Effects on consumers			Effects on workers				
Route of exposure	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
ACETYL DIISOAMYLENE									
Predicted no-effect concentration - PNEC									
Normal value in fresh water		9,6			µg/l				
Normal value in marine water		0,96			µg/l				
Normal value for fresh water sediment		1,24			mg/kg/d				
Normal value for marine water sediment		0,124			mg/kg/d				
Normal value of STP microorganisms		22			mg/l				
Normal value for the terrestrial compartment		0,243			mg/kg/d				
Health - Derived no-effect level - DNEL / DMEL									
		Effects on consumers			Effects on workers				
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral	1 mg/kg bw/d								
Inhalation				1,8 mg/m3	6 mg/m3				
Skin			2100 µg/cm2	1 mg/kg bw/d				3600 µg/cm2	1,7 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.									

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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

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

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	liquid	
Colour	amber	
Odour	perfumed	
Melting point / freezing point	< -50 °C	
Initial boiling point	> 80 °C	
Flammability	flammable liquid	
Lower explosive limit	3,5 % (v/v)	Substance:ETHANOL
Upper explosive limit	15 % (v/v)	Substance:ETHANOL
Flash point	< 23 °C	
Auto-ignition temperature	430 °C	Substance:ETHANOL
Decomposition temperature	not available	Reason for missing data:not relevant for the characterization of the

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pH	7	product
Kinematic viscosity	not available	Reason for missing data: not relevant for the characterization of the product
Solubility	partially soluble in water	
Partition coefficient: n-octanol/water	not available	Reason for missing data: not relevant for the characterization of the product
Vapour pressure	not available	Reason for missing data: not relevant for the characterization of the product
Density and/or relative density	0,82 - 0,84 g/cm ³	
Relative vapour density	not available	Reason for missing data: not relevant for the characterization of the product
Particle characteristics	not applicable	Reason for missing data: the substance/mixture is a liquid

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU) 86,13 %

VOC (volatile carbon) 44,87 %

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.

ETHANOL: Risk of explosion on contact with: alkaline metals, alkaline oxides, calcium hypochlorite, sulphur monofluoride, acetic anhydride, acids, concentrated hydrogen peroxide, perchlorates, perchloric acid, perchloronitrile, mercury nitrate, nitric acid, silver, silver nitrate, ammonia, silver oxide, ammonia, strong oxidising agents, nitrogen dioxide. May react dangerously with: bromoacetylene, chlorine acetylene, bromine trifluoride, chromium trioxide, chromyl chloride, fluorine, potassium tert-butoxide, lithium hydride, phosphorus trioxide, black platinum, zirconium (IV) chloride, zirconium (IV) iodide. Forms explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

ETHANOL: Avoid exposure to: sources of heat, naked flames.

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10.5. Incompatible materials

Information not available

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 1272/2008Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

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

Information not available

Interactive effects

Information not available

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)

ETHANOL

LD50 (Dermal):	17100 mg/kg
LC50 (Inhalation vapours):	117 mg/l/4h

LINALOOL

LD50 (Dermal):	5610 mg/kg OECD 402
LD50 (Oral):	2790 mg/kg OECD 401
LC50 (Inhalation vapours):	> 3,2 mg/l/1h

COUMARIN

LD50 (Oral):	520 mg/kg OECD 401
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2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE

LD50 (Dermal):	> 5000 mg/kg OECD 402
LD50 (Oral):	> 5000 mg/kg OECD 401

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ACETYL DIISOAMYLENE

LD50 (Dermal):	> 5000 mg/kg OECD 402
LD50 (Oral):	2350 mg/kg OECD 401

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

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 have negative effects on aquatic environment.

12.1. Toxicity

ETHANOL

LC50 - for Fish	11200 mg/l/96h
EC50 - for Crustacea	5012 mg/l/48h
EC50 - for Algae / Aquatic Plants	4432 mg/l/72h
Chronic NOEC for Fish	250 mg/l/5d OECD 212
Chronic NOEC for Crustacea	9,6 mg/l/10d
Chronic NOEC for Algae / Aquatic Plants	280 mg/l/7d

LINALOOL

LC50 - for Fish	27,8 mg/l/96h OECD 203
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EC50 - for Crustacea	59 mg/l/48h OECD 202
EC50 - for Algae / Aquatic Plants	156,7 mg/l/72h
EC10 for Algae / Aquatic Plants	54,3 mg/l/4d

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	2,6 mg/l/72h OECD 201
EC10 for Crustacea	0,044 mg/l/21d OECD 211
EC10 for Algae / Aquatic Plants	2,6 mg/l/72h OECD 201
Chronic NOEC for Fish	0,16 mg/l OECD 210

ACETYL DIISOAMYLENE

LC50 - for Fish	4,8 mg/l/96h OECD 203
EC50 - for Crustacea	6,1 mg/l/48h OECD 202
EC50 - for Algae / Aquatic Plants	21 mg/l/72h OECD 201
EC10 for Algae / Aquatic Plants	12 mg/l/72h OECD 201

12.2. Persistence and degradability

ETHANOL

Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

LINALOOL

Rapidly degradable
64% / 28d OECD 301

COUMARIN

Rapidly degradable
90% / 28d OECD 301 F

2-ACETOXY-2,3,8,8-TETRAMETHYLOCTAHYDRONAPHTHALENE

Rapidly degradable
96,3% / 28d OECD 301 F

ACETYL DIISOAMYLENE

NOT rapidly degradable
0% / 28d, OECD 301D

12.3. Bioaccumulative potential

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ETHANOL

Partition coefficient: n-octanol/water -0,35

12.4. Mobility in soil

ETHANOL

Partition coefficient: soil/water 0,2 QSAR

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 $\geq$ than 0,1%.

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.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: 1266

14.2. UN proper shipping name

ADR / RID: PERFUMERY PRODUCTS

IMDG: PERFUMERY PRODUCTS

IATA: PERFUMERY PRODUCTS

14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3

IMDG: Class: 3 Label: 3



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IATA: Class: 3 Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA: II

14.5. Environmental hazards

ADR / RID: NO

IMDG: NO

IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33

Limited
Quantities: 5
LTunnel
restriction
code: (D/E)

Special provision: 163, 640D

IMDG: EMS: F-E, S-D

Limited
Quantities: 5
L

IATA: Cargo:

Maximum
quantity: 60 LPackaging
instructions:
364
Packaging
instructions:
353

Pass.:

Maximum
quantity: 5 L

Special provision:

A3, A72

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: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicableSubstances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.

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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. 2	Flammable liquid, category 2
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
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 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.

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)

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- 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 as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- 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 as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

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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.

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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.