

Odświeżacz powietrza ONE SHOT - GOOD

Creation date	24th June 2025	Version	1
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier**
 Substance / mixture: Odświeżacz powietrza ONE SHOT - GOOD
 UFI: AP90-H0PC-G00D-T8HW
 Other mixture names: Air Freshener ONE SHOT – GOOD
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
 Air Freshener.
Mixture uses advised against
 The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Supplier
 Name or trade name: FRESHTEK JACEK CHOJNACKI
 Address: ul.Tomasza Edisona 24, Gdańsk, 80-172
 Poland
 Phone: +48 501 621 440
 E-mail: jacek.freshtek@gmail.com
Competent person responsible for the safety data sheet
 Name: FRESHTEK JACEK CHOJNACKI
 E-mail: jacek.freshtek@gmail.com
- 1.4. Emergency telephone number**
 +48 501621440 (8:30-16:30)
 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
 The mixture is classified as dangerous.
- Aerosol 1, H222, H229
 Eye Irrit. 2, H319
 Aquatic Chronic 3, H412
- Most serious adverse physico-chemical effects**
 Pressurised container: May burst if heated. Extremely flammable aerosol.
- Most serious adverse effects on human health and the environment**
 Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazard statements

- | | |
|------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|------|--------------------------------|
| P102 | Keep out of reach of children. |
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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear eye protection.
P337+P313	If eye irritation persists: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501	Dispose of contents/container to in accordance with local regulations.

Supplemental information

EUH208 Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, coumarin, linalool, linalyl acetate. May produce an allergic reaction.

2.3. Other hazards

Explosive mixtures can form at ambient temperature due to gas-air mixing. Heating a sealed gas in a sealed vessel can lead to an explosion. It is mildly irritating, slightly narcotic and asphyxiating as oxygen is displaced from the surrounding air. Direct contact with liquefied gas can cause frostbite. The endocrine-disrupting properties of the mixture have not been studied. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethyl alcohol	10.62-11.8	Flam. Liq. 2, H225 Eye Irrit. 2, H319	
Index: 603-212-00-7 CAS: 1222-05-5 EC: 214-946-9 Registration number: 01-2119488227-29	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno [5,6-c]pyran	0.1054-1.054	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
Index: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 Registration number: 01-2119457290-43	ethyl methyl ketone	<0.3542	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1
CAS: 54464-57-2 EC: 259-174-3	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	0.1054-0.4215	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 1, H410 (M=1)	
CAS: 91-64-5 EC: 202-086-7	coumarin	0.04215-0.4215	Acute Tox. 4, H302 Skin Sens. 1, H317 STOT RE 2, H373	
Index: 603-235-00-2 CAS: 78-70-6 EC: 201-134-4	linalool	0.04215-0.4215	Skin Sens. 1B, H317	
CAS: 115-95-7 EC: 204-116-4 Registration number: 01-2119454789-19	linalyl acetate	0.04215-0.4215	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319	
CAS: 8000-27-9 EC: 616-769-6	oils, cedarwood	0.01054-0.1054	Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 65113-99-7 EC: 265-453-0	$\alpha,\beta,2,2,3$ -pentamethylcyclopent-3-ene-1-butanol	0.01054-0.1054	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	
CAS: 128-37-0 EC: 204-881-4 Registration number: 01-2119565113-46	2,6-di-tert-butyl-p-cresol	0.01054-0.1054	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

Unlikely.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

When intruding eyes, it can evoke irritation.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

More information

Other relevant information is not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water jet.

5.2. Special hazards arising from the substance or mixture

Danger of bursting (explosion) when heated. In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

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5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Stop leak if possible. Dilute vapors (if accumulated) with water spray. Thoroughly ventilate the spill area. Ventilate the room. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Do not store with comburent, self-flammable or self-heating substances, organic peroxides, oxidising agents, pyrophoric solids or liquids and explosives.

7.3. Specific end use(s)

Apart from the already mentioned guidelines, it is not necessary to follow any specific recommendations for the use of this product.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Commission Directive 2000/39/EC

Substance name (component)	Type	Value
ethyl methyl ketone (CAS: 78-93-3)	OEL 8 hours	600 mg/m ³
	OEL 8 hours	200 ppm
	OEL 15 minutes	900 mg/m ³
	OEL 15 minutes	300 ppm

DNEL

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran			
Workers / consumers	Route of exposure	Value	Effect
Workers (0)	Dermal	60 mg/kg	Chronic effects systemic
Workers (0)	Inhalation	22 mg/m ³	Chronic effects systemic
Consumers (0)	Inhalation	6.5 mg/m ³	Chronic effects systemic
Consumers (0)	Dermal	36 mg/kg	Chronic effects systemic
Consumers (0)	Oral	3.8 mg/kg	Chronic effects systemic

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legal basis:
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to
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2,6-di-tert-butyl-p-cresol			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	3.5 mg/m ³	Chronic effects systemic
Consumers	Inhalation	0.86 mg/m ³	Chronic effects systemic
Workers	Dermal	0.5 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	0.25 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	0.25 mg/kg bw/day	Chronic effects systemic

coumarin			
Workers / consumers	Route of exposure	Value	Effect
Workers (0)	Dermal	0.79 mg/kg	Chronic effects systemic
Workers (0)	Inhalation	6.78 mg/m ³	Chronic effects systemic
Consumers (0)	Inhalation	1.69 mg/m ³	Chronic effects systemic
Consumers (0)	Dermal	0.39 mg/kg	Chronic effects systemic
Consumers (0)	Oral	0.39 mg/kg	Chronic effects systemic

ethyl alcohol			
Workers / consumers	Route of exposure	Value	Effect
Workers (0)	Dermal	343 mg/kg	Chronic effects systemic
Workers (0)	Inhalation	950 mg/m ³	Chronic effects systemic
Consumers (0)	Oral	87 mg/kg	Chronic effects systemic
Consumers (0)	Dermal	206 mg/kg	Chronic effects systemic
Consumers (0)	Inhalation	114 mg/m ³	Chronic effects systemic

ethyl methyl ketone			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	600 mg/m ³	Chronic effects systemic
Consumers	Inhalation	106 mg/m ³	Chronic effects systemic
Workers	Dermal	1161 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	412 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	31 mg/kg bw/day	Chronic effects systemic

linalool			
Workers / consumers	Route of exposure	Value	Effect
Workers (0)	Dermal	5 mg/kg	Acute effects systemic
Workers (0)	Dermal	2.5 mg/kg	Chronic effects systemic
Workers (0)	Inhalation	2.8 mg/m ³	Chronic effects systemic
Workers (0)	Inhalation	16.5 mg/m ³	Acute effects systemic
Consumers (0)	Dermal	2.5 mg/kg	Acute effects systemic
Consumers (0)	Dermal	1.25 mg/kg	Chronic effects systemic
Consumers (0)	Inhalation	0.7 mg/m ³	Chronic effects systemic
Consumers (0)	Inhalation	4.1 mg/m ³	Acute effects systemic
Consumers (0)	Oral	1.2 mg/kg	Acute effects systemic
Consumers (0)	Oral	0.2 mg/kg	Chronic effects systemic

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Inialyl acetate			
Workers / consumers	Route of exposure	Value	Effect
Workers	Dermal	2.5 mg/kg	Chronic effects systemic
Workers	Inhalation	2.75 mg/m ³	Chronic effects systemic
Consumers	Oral	0.2 mg/kg	Chronic effects systemic
Consumers	Inhalation	0.68 mg/m ³	Chronic effects systemic
Consumers	Dermal	1.25 mg/kg	Chronic effects systemic

PNEC

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	
Route of exposure	Value
Microorganisms in sewage treatment	1 mg/l
Drinking water	0.0044 mg/l
Marine water	0.00044 mg/l
Water (intermittent release)	0.03 mg/l
Soil (agricultural)	0.31 mg/kg
Freshwater sediment	2 mg/kg
Sea sediments	0.394 mg/kg
Oral	0.0033 mg/kg

2,6-di-tert-butyl-p-cresol	
Route of exposure	Value
Drinking water	0.199 µg/l
Water (intermittent release)	1.99 µg/l
Marine water	0.02 µg/l
Microorganisms in sewage treatment	0.17 µg/l
Freshwater sediment	0.0996 mg/kg of dry substance of sediment
Sea sediments	0.00996 mg/kg of dry substance of sediment
Soil (agricultural)	0.04769 mg/kg of dry substance of sediment
Food chain	8.33 mg/kg of food

coumarin	
Route of exposure	Value
Microorganisms in sewage treatment	6.4 mg/l
Drinking water	0.019 mg/l
Marine water	0.0019 mg/l
Water (intermittent release)	0.0142 mg/l
Soil (agricultural)	0.018 mg/kg
Freshwater sediment	0.15 mg/kg
Sea sediments	0.015 mg/kg
Oral	0.0307 mg/kg

ethyl alcohol	
Route of exposure	Value
Microorganisms in sewage treatment	580 mg/l
Soil (agricultural)	0.63 mg/kg
Water (intermittent release)	2.75 mg/l

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ethyl alcohol	
Route of exposure	Value
Oral	0.38 mg/kg
Drinking water	0.96 mg/l
Marine water	0.79 mg/l
Freshwater sediment	3.6 mg/kg
Sea sediments	2.9 mg/kg

ethyl methyl ketone	
Route of exposure	Value
Drinking water	55.8 mg/l
Marine water	55.8 mg/l
Water (intermittent release)	55.8 mg/l
Microorganisms in sewage treatment	709 mg/l
Freshwater sediment	284.74 mg/kg
Sea sediments	284.7 mg/kg
Soil (agricultural)	22.5 mg/kg
Food chain	1000 mg/kg of food

linalool	
Route of exposure	Value
Microorganisms in sewage treatment	10 mg/l
Soil (agricultural)	0.327 mg/kg
Water (intermittent release)	2 mg/l
Oral	0.0078 mg/kg
Drinking water	0.2 mg/l
Marine water	0.020 mg/l
Freshwater sediment	2.22 mg/kg
Sea sediments	0.222 mg/kg

linalyl acetate	
Route of exposure	Value
Microorganisms in sewage treatment	10 mg/l
Drinking water	0.011 mg/l
Marine water	0.0011 mg/l
Water (intermittent release)	0.11 mg/l
Soil (agricultural)	.115 mg/kg
Freshwater sediment	0.609 mg/kg
Sea sediments	0.0609 mg/kg

8.2. Exposure controls

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed) according to EN 166.

Skin protection

Hand protection: Protective gloves product resistant in accordance with EN ISO 374-1. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer.

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Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Flammable product, avoid contact with hot surfaces, sources of fire and high temperatures.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	data not available
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
Flammability	extremely flammable aerosol
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	not determined
pH	7-8 (undiluted)
Kinematic viscosity	not applicable
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	not determined
Vapour pressure	data not available
Density and/or relative density	not determined
Relative vapour density	not determined
Particle characteristics	not applicable
Form	aerosol dispenser: spray aerosol

9.2. Other information

none

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with sources of ignition makes product set on fire.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents. Do not store with comburent, self-flammable or self-heating substances, organic peroxides, oxidising agents, pyrophoric solids or liquids and explosives.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

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SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Inhalation of vapors above the occupational exposure limits may result in acute inhalation poisoning, depending on the concentration and duration of exposure. No toxicological effects are expected if occupational exposure limits are not exceeded. It does not meet the criteria for classification as a CMR category 1A or 1B substance, according to point 1.3.1 of Annex I to Regulation (EC) No 1272/2008 (CLP).

Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		118624 mg/kg				Calculation of value

ethyl alcohol							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		6200 mg/kg		Rat		
Dermal	LD ₅₀		20000 mg/kg		Rabbit		
Inhalation	LC ₅₀		124.7 mg/l	48 hours	Rat		

ethyl methyl ketone							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		3460 mg/kg		Rat		
Dermal	LD ₅₀	OECD 402	>5000 mg/kg		Rabbit		
Inhalation (vapor)	LC ₅₀		>7500 ppm	4 hours	Rat		

linalool							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		3000 mg/kg		Rat		
Dermal	LD ₅₀		5610 mg/kg		Rabbit		

linalyl acetate							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		14500 mg/kg		Rat		
Dermal	LD ₅₀		5600 mg/kg		Rabbit		

Skin corrosion/irritation

Based on the available data, the criteria for classification of the mixture are not met.

ethyl methyl ketone			
Route of exposure	Result	Exposure time	Species
	Drying and cracking of the skin		

Irritation

ethyl alcohol					
Route of exposure	Result	Method	Exposure time	Species	Source
Eye	Irritating	OECD 405	21 days	Rabbit	podrażnienie odwracalne

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Serious eye damage/irritation

Causes serious eye irritation.

ethyl methyl ketone				
Route of exposure	Result	Method	Exposure time	Species
Eye	Slightly irritating	OECD 405	21 days	Rabbit

Respiratory or skin sensitisation

Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity

Based on the available data, the criteria for classification of the mixture are not met.

ethyl alcohol						
Result	Method	Exposure time	Specific target organ	Species	Sex	Source
Indeterminate	in vivo			Mouse		Rodzaj badania: Badanie dominujące go genu letalnego (gameta) posób podania dawki: Połknięcie

Carcinogenicity

Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity

Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

Based on the available data, the criteria for classification of the mixture are not met.

ethyl methyl ketone					
Route of exposure	Parameter	Value	Result	Species	Sex
			Drowsiness, Dizziness		

Toxicity for specific target organ - repeated exposure

Based on the available data, the criteria for classification of the mixture are not met.

Repeated dose toxicity

ethyl alcohol							
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL			1280 mg/kg	90 days	Rat	
Oral	LOAEL			3156 mg/kg	90 days	Rat	

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ethyl methyl ketone							
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Inhalation (dust/mist)	NOAEL		OECD 413	5014 ppm	90 days	Rat	

Aspiration hazard

Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

It is not expected to be harmful to the aquatic environment.

Acute toxicity

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		1-10 mg/l	96 hours	Fish	
EC ₅₀		1-10 mg/l	48 hours	Crustaceans	
EC ₅₀		1-10 mg/l	72 hours	Algae	

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran					
Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀		0.1-1 mg/l	48 hours	Crustaceans	
LC ₅₀		0.1-1 mg/l	96 hours	Fish	
EC ₅₀		0.1-1 mg/l	72 hours	Algae	

2,6-di-tert-butyl-p-cresol					
Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀		1440 µg/l	48 hours	Daphnia (Daphnia pulex - noworodek)	Fresh water

coumarin					
Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀		30 mg/l	48 hours	Daphnia (Daphnia magna)	

ethyl alcohol					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		11000 mg/l	96 hours	Fish (Alburnus alburnus)	
EC ₅₀		9268 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀		1450 mg/l	192 hours	Algae and other aquatic plants (Microcystis aeruginosa)	

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ethyl alcohol					
Parameter	Method	Value	Exposure time	Species	Environment
ErC ₅₀		275 mg/l	72 hours	Algae and other aquatic plants (<i>Chlorella vulgaris</i>)	
EC ₁₀		11.5 mg/l	72 hours	Algae and other aquatic plants (<i>Chlorella vulgaris</i>)	
EC ₅₀		6500 mg/l	16 hours	Microorganisms (<i>Pseudomonas putida</i>)	

ethyl methyl ketone					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	2993 mg/l	96 hours	Fish (<i>Pimephales promelas</i>)	
EC ₅₀	OECD 202	308 mg/l	48 hours	Daphnia (<i>Daphnia magna</i>)	
EC ₅₀	OECD 201	2029 mg/l	96 hours	Algae (<i>Selenastrum capricornutum</i>)	

linalyl acetate					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		11 mg/l	96 hours	Fish (<i>Cyprinus carpio</i>)	
LC ₅₀		15 mg/l	48 hours	Crustaceans	
LC ₅₀		62 mg/l	72 hours	Algae (<i>Desmodesmus subspicatus</i>)	

Chronic toxicity

ethyl alcohol				
Parameter	Value	Exposure time	Species	Environment
NOEC	250 mg/l		Fish (<i>Danio rerio</i>)	
NOEC	2 mg/l		Crustaceans (<i>Ceriodaphnia dubia</i>)	
NOEC	9.6 mg/l	9 days	Aquatic invertebrates (<i>Daphnia magna</i>)	

12.2. Persistence and degradability

The following data are available.

Biodegradability

coumarin					
Parameter	Method	Value	Exposure time	Environment	Result
		100 %	14 days		

ethyl alcohol					
Parameter	Method	Value	Exposure time	Environment	Result
		89 %	14 days		Easily biodegradable
		89 %	14 days		

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ethyl methyl ketone					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301D	98 %	28 days		Easily biodegradable

linalool					
Parameter	Method	Value	Exposure time	Environment	Result
		90 %	28 days		

linalyl acetate					
Parameter	Method	Value	Exposure time	Environment	Result
		80 %	28 days		Easily biodegradable

12.3. Bioaccumulative potential

The following data are available.

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran		
Parameter	Value	Source
BCF	1584	
Log Pow	5.9	

2,6-di-tert-butyl-p-cresol		
Parameter	Value	Source
Log Pow	5.1	wysoki potencjał
BCF	330-1800	wysoki potencjał

coumarin		
Parameter	Value	Source
BCF	10	
Log Pow	1.39	

ethyl alcohol		
Parameter	Value	Source
BCF	3	
Log Pow	-0.31	

ethyl methyl ketone		
Parameter	Value	Source
Log Pow	0.3	

linalool		
Parameter	Value	Source
BCF	39	
Log Pow	2.97	

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linalyl acetate		
Parameter	Value	Source
BCF	174	
Log Pow	4.83	

12.4. Mobility in soil

There are no ecotoxicological data available for the product.

coumarin	
Parameter	Value
Koc	42

ethyl alcohol	
Parameter	Value
Koc	1

linalyl acetate	
Parameter	Value
Koc	518

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Unknown.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

A container that is free of residual product can be treated as a waste that does not pose a hazard. Do not puncture, cut or weld empty packaging. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not dispose unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

16 05 04* gases in pressure containers (including halons) containing hazardous substances

Packaging waste type code

15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

AEROSOLS

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14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

Product is not an environmental hazard according to the criteria of the UN Model Regulations.

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

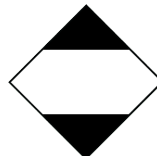
Not applicable - not intended for bulk transportation.

Additional information

Hazard identification No.	
UN number	
Classification code	5F
Safety signs	2.1



Road transport - ADR

Limited quantities	1 L
Sign	

Tunnel restriction code	(D)
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Air transport - ICAO/IATA

Packaging instructions passenger	203
Cargo packaging instructions	203

Marine transport - IMDG

EmS (emergency plan)	F-D, S-U
MFAG	620

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

For mixtures, a chemical safety assessment is not required.

More information

Seveso Directive 2012/18/EU (Seveso III): P3a FLAMMABLE AEROSOLS

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
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EUH208	Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, coumarin, linalool, linalyl acetate. May produce an allergic reaction.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear eye protection.
P337+P313	If eye irritation persists: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501	Dispose of contents/container to in accordance with local regulations.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aerosol	Aerosol
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₁₀	Concentration of a substance when it is affected 10 % of the population
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry

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LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEL	Lowest observed adverse effect level
log K _{ow}	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
Press. Gas (Comp.)	Gas under pressure: compressed gas
Press. Gas (Diss.)	Gas under pressure: dissolved gas
Press. Gas (Liq.)	Gas under pressure: liquefied gas
Press. Gas (Ref. Liq.)	Gas under pressure: refrigerated liquefied gas
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

Uses advised against: Any type of use not listed in this Safety Data Sheet.

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available.

The changes (which information has been added, deleted or modified)

Version 1.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.