

Trade name: LINARI-RIVA

Current version : 3.0.1, issued: 26.05.2021

Replaced version: 3.0.0, issued: 10.05.2021

Region: GB

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

**LINARI-RIVA****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses of the substance or mixture

Fragrances

Uses advised against

No data available.

**1.3 Details of the supplier of the safety data sheet**

Address

LINARI GmbH  
Jaffestrasse 12 | DOCK 2  
21109 Hamburg  
Germany

Telephone no. +49 40-7566850

Fax no. +49 40-7534505

Advice on Safety Data Sheet

sdb\_info@umco.de

**1.4 Emergency telephone number**

Emergency CONTACT (24-Hour-Number) international:

GBK GmbH - Global Regulatory Compliance +49 (0)6132-84463

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 3; H412

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

Hazard pictograms



GHS02



GHS07

Signal word

Danger

Hazard statement(s)

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H412

Harmful to aquatic life with long lasting effects.

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**Hazard statements (EU)**

EUH208

Contains 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one, 7-hydroxycitronellal, (R)-p-mentha-1,8-diene, alpha-hexylcinnamaldehyde, geraniol, alpha-methyl-1,3-benzodioxole-5-propionaldehyde, linalool. May produce an allergic reaction.

**Precautionary statement(s)**

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.

P501

Dispose of contents/container to a facility in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

PBT assessment

The components of this product are not considered to be PBT (PBT = persistent, bioaccumulative, toxic) according to Annex XIII of Regulation (EC) 1907/2006 (REACH).

vPvB assessment

The components of this product are not considered to be vPvB (vPvB = very persistent, very bioaccumulative) according to Annex XIII of Regulation (EC) 1907/2006 (REACH).

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	<b>ethanol</b>		
	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 70.00 - < 90.00 wt%
2	<b>1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one</b>		
	54464-57-2 259-174-3 - -	Aquatic Chronic 1; H410 Skin Sens. 1B; H317 Skin Irrit. 2; H315	< 2.50 wt%
3	<b>7-hydroxycitronellal</b>		
	107-75-5 203-518-7 - -	Eye Irrit. 2; H319 Skin Sens. 1; H317	< 0.50 wt%
4	<b>(R)-p-mentha-1,8-diene</b>		<b>pls. refer to footnote (1)</b>
	5989-27-5 227-813-5 601-029-00-7 -	Aquatic Acute 1; H400 Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 1; H410	< 0.50 wt%
5	<b>alpha-hexylcinnamaldehyde</b>		
	101-86-0 202-983-3 - -	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Skin Sens. 1B; H317	< 0.50 wt%
6	<b>geraniol</b>		
	106-24-1	Skin Sens. 1; H317	< 0.50 wt%

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	203-377-1 603-241-00-5 -			
7	<b>alpha-methyl-1,3-benzodioxole-5-propionaldehyde</b>			
	1205-17-0 214-881-6 - 01-2120740119-58	Aquatic Chronic 2; H411 Skin Sens. 1B; H317 Repr. 2; H361	< 0.50	wt%
8	<b>linalool</b>			
	78-70-6 201-134-4 603-235-00-2 -	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Irrit. 2; H319	< 0.50	wt%
9	<b>(Z)-3-hexenyl salicylate</b>			
	65405-77-8 265-745-8 - 01-2119987320-37	Aquatic Acute 1; H400	< 0.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Eye Irrit. 2; H319: C >= 50%	-	-
4	C	-	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

No	Route, target organ, concrete effect
7	H361 inhalational; -; -

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of persisting adverse effects, consult a physician.

#### After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. In case of persisting adverse effects consult a physician. If unconscious place in recovery position and seek medical advice.

#### After skin contact

In case of contact with skin wash off immediately with soap and water. Remove contaminated clothing. Consult a doctor if skin irritation persists.

#### After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes).

#### After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. If swallowed drink plenty of water and seek medical treatment. Never give anything by mouth to an unconscious person.

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

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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**Suitable extinguishing media**

Foam; Extinguishing powder; Carbon dioxide; Water spray jet

**Unsuitable extinguishing media**

High power water jet

**5.2 Special hazards arising from the substance or mixture**

Formation of explosive mixtures with air is possible. Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO)

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel**

Exclude sources of ignition and ventilate the area. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in sections 7 and 8.

**For emergency responders**

Personal protective equipment (PPE) - see section 8.

**6.2 Environmental precautions**

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

**6.3 Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

**6.4 Reference to other sections**

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

**Advice on safe handling**

Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. After worktime and during work intervals the affected skin areas must be thoroughly cleaned. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Provide eye wash fountain in work area. Have emergency shower available.

**Advice on protection against fire and explosion**

Keep away from sources of heat and ignition. Take precautionary measures against static charges.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

**Requirements for storage rooms and vessels**

Store product in closed containers. Always keep in containers of same material as the original.

**Incompatible products**

Do not store together with fire promoting substances.

**7.3 Specific end use(s)**

No data available.

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Ethanol			
	WEL long-term (8-hr TWA reference period)	1920	mg/m <sup>3</sup> 1000 ppm

**DNEL, DMEL and PNEC values****DNEL values (worker)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	ethanol	64-17-5 200-578-6		
	dermal	Long term (chronic)	systemic	343 mg/kg/day
	inhalative	Long term (chronic)	systemic	950 mg/m <sup>3</sup>
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0 214-881-6		
	dermal	Long term (chronic)	systemic	0.17 mg/kg bw/day
	dermal	Long term (chronic)	local	0.01 mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	1.2 mg/m <sup>3</sup>
3	(Z)-3-hexenyl salicylate	65405-77-8 265-745-8		
	dermal	Long term (chronic)	systemic	0.9 mg/kg/day
	inhalative	Long term (chronic)	systemic	1.59 mg/m <sup>3</sup>

**DNEL value (consumer)**

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	ethanol	64-17-5 200-578-6		
	oral	Long term (chronic)	systemic	87 mg/kg/day
	dermal	Long term (chronic)	systemic	206 mg/kg/day
	inhalative	Long term (chronic)	systemic	114 mg/m <sup>3</sup>
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0 214-881-6		
	oral	Long term (chronic)	systemic	0.17 mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.083 mg/kg bw/day
	dermal	Long term (chronic)	local	0.005 mg/cm <sup>2</sup>
	inhalative	Long term (chronic)	systemic	0.29 mg/m <sup>3</sup>
3	(Z)-3-hexenyl salicylate	65405-77-8 265-745-8		
	oral	Long term (chronic)	systemic	0.23 mg/kg/day
	dermal	Long term (chronic)	systemic	0.45 mg/kg/day
	inhalative	Long term (chronic)	systemic	0.39 mg/m <sup>3</sup>

**PNEC values**

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	ethanol	64-17-5 200-578-6	
	water	fresh water	0.96 mg/L
	water	Aqua intermittent	2.75 mg/L
	water	marine water	0.79 mg/L
	water	fresh water sediment	3.6 mg/kg dry weight

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	water	marine water sediment	2.9	mg/L
	soil	-	0.63	mg/kg dry weight
	sewage treatment plant	-	580	mg/L
	secondary poisoning	-	0.38	mg/kg food
2	<b>alpha-methyl-1,3-benzodioxole-5-propionaldehyde</b>		<b>1205-17-0</b> <b>214-881-6</b>	
	water	fresh water	0.005	mg/L
	water	marine water	0.001	mg/L
	water	fresh water sediment	0.057	mg/kg dry weight
	water	marine water sediment	0.006	mg/kg dry weight
	soil	-	0.008	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
3	<b>(Z)-3-hexenyl salicylate</b>		<b>65405-77-8</b> <b>265-745-8</b>	
	water	fresh water	0.61	µg/L
	water	marine water	0.061	µg/L
	water	fresh water sediment	0.11	mg/kg dry weight
	water	marine water sediment	0.011	mg/kg dry weight
	soil	-	0.022	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	40	mg/kg food

## 8.2 Exposure controls

### Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

### Personal protective equipment

#### Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. Combination filter (EN 14387), filter type A - brown; In case of aerosol, vapour and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

#### Eye / face protection

Tightly fitting safety glasses (EN 166).

#### Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	butyl rubber		
Material thickness		0.5	mm
Breakthrough time	>	480	min

#### Other

Normal chemical work clothing.

#### Environmental exposure controls

No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### State of aggregation

liquid

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<b>Form/Colour</b>			
liquid			
colourless			
<b>Odour</b>			
perfumed-like			
<b>pH value</b>			
Value	5.8		
<b>Boiling point / boiling range</b>			
Value	78	°C	
Reference substance	Ethanol		
<b>Melting point/freezing point</b>			
Value	-114	°C	
Reference substance	Ethanol		
<b>Decomposition temperature</b>			
No data available			
<b>Flash point</b>			
Value	17	°C	
Method	Pensky-Martens closed cup		
<b>Ignition temperature</b>			
No data available			
<b>Auto-ignition temperature</b>			
Value	425	°C	
Reference substance	Ethanol		
<b>Explosive properties</b>			
This product is not explosive. In and after use danger of production of inflammable compounds.			
<b>Flammability</b>			
No data available			
<b>Lower explosion limit</b>			
Value	3.5	% vol	
Reference substance	Ethanol		
<b>Upper explosion limit</b>			
Value	15	% vol	
Reference substance	Ethanol		
<b>Vapour pressure</b>			
Value	57	mbar	
Reference temperature	20	°C	
Reference substance	Ethanol		
<b>Relative vapour density</b>			
Comments	Air = 1		
Comments	Heavier than air.		
<b>Relative density</b>			
No data available			
<b>Density</b>			
No data available			
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.

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1	ethanol	64-17-5	200-578-6
log Pow			-0.35
Reference temperature			24 °C
with reference to	pH 7,4		
Method	OECD 107		
Source	ECHA		
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
log Pow			2.4
Reference temperature			25 °C
Method	OECD 117		
Source	ECHA		
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
log Pow			4.8
Reference temperature			25 °C
Method	OECD 117		
Source	ECHA		

**Viscosity**

No data available

**Particle characteristics****9.2 Other information****Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Dangerous reactions are not to be expected when handling product according to its intended use. Generation of flammable vapor-air mixtures possible.

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources. Static discharges.

**10.5 Incompatible materials**

Reactions with strong oxidising agents. Reactions with strong acids. Alkali metals; Halogenated compounds

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

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

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LD50		10470	mg/kg bodyweight
Species	rat		
with reference to	95% ethanol in water		
Method	OECD 401		
Source	ECHA		
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
LD50		3561	mg/kg bodyweight
Species	rat		
Method	OECD 401		

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Source	ECHA
<b>3</b> (Z)-3-hexenyl salicylate	<b>65405-77-8</b> <b>265-745-8</b>
LD50	3031 mg/kg bodyweight
Species	rat
Method	EU Method B.1
Source	ECHA

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>alpha-methyl-1,3-benzodioxole-5-propionaldehyde</b>	<b>1205-17-0</b>	<b>214-881-6</b>
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
<b>2</b>	<b>(Z)-3-hexenyl salicylate</b>	<b>65405-77-8</b>	<b>265-745-8</b>
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	EU Method B.3		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanol</b>	<b>64-17-5</b>	<b>200-578-6</b>
LC50		124.7	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanol</b>	<b>64-17-5</b>	<b>200-578-6</b>
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
<b>2</b>	<b>alpha-methyl-1,3-benzodioxole-5-propionaldehyde</b>	<b>1205-17-0</b>	<b>214-881-6</b>
Duration of exposure		4	h
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>ethanol</b>	<b>64-17-5</b>	<b>200-578-6</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
<b>2</b>	<b>alpha-methyl-1,3-benzodioxole-5-propionaldehyde</b>	<b>1205-17-0</b>	<b>214-881-6</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
<b>3</b>	<b>(Z)-3-hexenyl salicylate</b>	<b>65405-77-8</b>	<b>265-745-8</b>
Species	rabbit		
Method	EU B.5		
Source	ECHA		
Evaluation	non-irritant		

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Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure		Skin	
Species		mouse	
Source		ECHA	
Evaluation		non-sensitizing	
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
Type of examination		in vitro gene mutation study in bacteria	
Species		S. typhimurium TA 1535, TA 1537, TA 98 and TA 100	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
Method		OECD 476	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure		oral	
NOAEL			
Type of examination		2 generation study	
Species		mouse	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
NOAEL			
Type of examination		Prenatal Developmental Toxicity Study	
Species		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
Method		OECD 415	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6

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Source Evaluation/classification	ECHA Based on available data, the classification criteria are not met.
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<b>STOT - single exposure</b>
No data available

<b>STOT - repeated exposure</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure		oral	
Duration of exposure		14	week/s
Species		rat	
Target organ		kidneys	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

<b>Aspiration hazard</b>
No data available

**11.2 Information on other hazards****Endocrine disrupting properties**

No data available.

**Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50		14200	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		EPA	
Source		ECHA	
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
LC50		5.3	mg/l
Duration of exposure		96	h
Species		Oncorhynchus mykiss	
Method		OECD 203	
Source		ECHA	

<b>Toxicity to fish (chronic)</b>
No data available

<b>Toxicity to Daphnia (acute)</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
EC50		5012	mg/l
Duration of exposure		48	h
Species		Ceriodaphnia dubia	
Method		ASTM Standard E 729-80	
Source		ECHA	
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
EC50		8.3	mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		OECD 202	
Source		ECHA	

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3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
EC50		2.7	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

**Toxicity to Daphnia (chronic)**

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
NOEC		9.6	mg/l
Duration of exposure		9	day(s)
Species	Daphnia magna		
Source	ECHA		

**Toxicity to algae (acute)**

No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
EC50		275	mg/l
Duration of exposure		72	h
Species	Chlorella vulgaris		
Method	OECD 201		
Source	ECHA		
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
EC50		28	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
EC50		0.61	mg/l
Duration of exposure		72	h
Species	Desmodosmus subspicatus		
Method	OECD 201		
Source	ECHA		

**Toxicity to algae (chronic)**

No data available

**Bacteria toxicity**

No data available

**12.2 Persistence and degradability**

<b>Biodegradability</b>			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Type	aerobic biodegradation		
Value	appr.	84	%
Duration		20	day(s)
Method	OECD		
Source	ECHA		
Evaluation	readily biodegradable		
Value			%
2	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
Value		89	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	degradable		

**12.3 Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

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No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
	log Pow	-0.35	
	Reference temperature	24	°C
	with reference to	pH 7,4	
	Method	OECD 107	
	Source	ECHA	
2	alpha-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0	214-881-6
	log Pow	2.4	
	Reference temperature	25	°C
	Method	OECD 117	
	Source	ECHA	
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
	log Pow	4.8	
	Reference temperature	25	°C
	Method	OECD 117	
	Source	ECHA	

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

Results of PBT and vPvB assessment	
PBT assessment	The components of this product are not considered to be PBT (PBT = persistent, bioaccumulative, toxic) according to Annex XIII of Regulation (EC) 1907/2006 (REACH).
vPvB assessment	The components of this product are not considered to be vPvB (vPvB = very persistent, very bioaccumulative) according to Annex XIII of Regulation (EC) 1907/2006 (REACH).

**12.6 Endocrine disrupting properties**

No data available.

**12.7 Other adverse effects**

No data available.

**12.8 Other information**

Other information
Do not discharge product unmonitored into the environment.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

In accordance with regulations for special waste, must be taken to a special waste disposal.

**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

**SECTION 14: Transport information****14.1 Transport ADR/RID/ADN**

Class	3
Classification code	F1
Packing group	II
Hazard identification no.	33
UN number	UN1266
Proper shipping name	PERFUMERY PRODUCTS
Special Provision 640	640D
Tunnel restriction code	D/E
Label	3

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**14.2 Transport IMDG**

Class	3
Packing group	II
UN number	UN1266
Proper shipping name	PERFUMERY PRODUCTS
EmS	F-E, S-D
Label	3

**14.3 Transport ICAO-TI / IATA**

Class	3
Packing group	II
UN number	UN1266
Proper shipping name	Perfumery products
Label	3

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

**14.6 Special precautions for user**

No data available.

**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.	No 3, 40
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**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category:	P5b
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**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

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**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child.
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.

**Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)**

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
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**Creation of the safety data sheet**

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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Prod-ID 678008