

Trade name: LINARI-GIAPPONE**Current version :** 4.0.1, issued: 04.06.2024**Replaced version:** 4.0.0, issued: 26.05.2021**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name****LINARI-GIAPPONE****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 2; H411

Eye Irrit. 2; H319

Flam. Liq. 2; H225

Skin Sens. 1; H317

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



GHS09

Signal word

Danger

Hazardous component(s) to be indicated on label:

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8-tetramethyl-2-naphthyl)ethan-1 one

Hazard statement(s)

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

H225 Highly flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208 Contains linalyl acetate, Citronellol, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one, pentadecan-15-olide, alpha-hexylcinnamaldehyde, linalool, hexyl-salicylate. 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.
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

PBT assessment
The components of this product are not considered to be a PBT.
vPvB assessment
The components of this product are not considered to be a vPvB.

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	ethanol		
	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	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one		
	54464-57-2 259-174-3 - -	Aquatic Chronic 1; H410 Skin Sens. 1B; H317 Skin Irrit. 2; H315	< 2.50 wt%
3	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on		
	111879-80-2 422-320-3 606-092-00-4 01-0000016883-62	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50 wt%
4	linalyl acetate		
	115-95-7 204-116-4 - -	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317	< 0.50 wt%
5	Citronellol		
	106-22-9 203-375-0 - 01-2119453995-23	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317	< 0.50 wt%

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

6	3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one		
	127-51-5 204-846-3 -	Aquatic Chronic 2; H411 Skin Sens. 1; H317	< 0.50 wt%
7	(Z)-3-hexenyl salicylate		
	65405-77-8 265-745-8 -	Aquatic Acute 1; H400	< 0.50 wt%
	01-2119987320-37		
8	pentadecan-15-olide		
	106-02-5 203-354-6 -	Aquatic Chronic 2; H411 Skin Sens. 1B; H317	< 0.50 wt%
	01-2119987323-31		
9	alpha-hexylcinnamaldehyde		
	101-86-0 202-983-3 -	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Skin Sens. 1B; H317	< 0.50 wt%
	-		
10	linalool		
	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%
11	hexyl-salicylate		
	6259-76-3 228-408-6 -	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 1; H410	< 0.50 wt%
	01-2119638275-36		
12	[3R-(3alpha,3abeta,7beta,8aalpha)]-2,3,4,7,8,8a-hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene		
	469-61-4 207-418-4 -	Aquatic Acute 1; H400 Asp. Tox. 1; H304 Aquatic Chronic 1; H410	< 0.10 wt%
	-		

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Eye Irrit. 2; H319: C ≥ 50%	-	-
7	-	-	M = 1	-
12	-	-	M = 10	M = 10

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. In case of persisting adverse effects, consult a physician. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

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).

Trade name: LINARI-GIAPPONE**Current version :** 4.0.1, issued: 04.06.2024**Replaced version:** 4.0.0, issued: 26.05.2021**Region:** GB**After ingestion**

Rinse the mouth thoroughly with water. Do not induce vomiting. 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****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. In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water. Run-off water from fire fighting must not be discharged into drains or enter surface water.

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

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**

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

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

Containers which are opened must be carefully closed and kept upright to prevent leakage. 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.

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
List of approved workplace exposure limits (WELs) / EH40			
	Ethanol		
	WEL long-term (8-hr TWA reference period)	1920	mg/m ³ 1000 ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

DNEL values (worker)				CAS / EC no	
No	Substance name				
	Route of exposure	Exposure time	Effect	Value	
1	ethanol			64-17-5 200-578-6	
	dermal	Long term (chronic)	systemic	8238	mg/kg/day
	inhalative	Long term (chronic)	systemic	380	mg/m³
2	(Z)-3-hexenyl salicylate			65405-77-8 265-745-8	
	dermal	Long term (chronic)	systemic	0.9	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	1.59	mg/m³
3	hexyl-salicylate			6259-76-3 228-408-6	
	dermal	Long term (chronic)	systemic	20830	mg/kg/day
	dermal	Short term (acut)	systemic	1475	µg/cm²
	inhalative	Long term (chronic)	systemic	7.29	mg/m³
	inhalative	Short term (acut)	systemic	7.29	mg/m³

DNEL value (consumer)

DNEL values (consumer)					
No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ethanol			64-17-5 200-578-6	
	inhalative	Long term (chronic)	systemic	114	mg/m³
2	(Z)-3-hexenyl salicylate			65405-77-8 265-745-8	
	oral	Long term (chronic)	systemic	0.23	mg/kg bw/day
	dermal	Long term (chronic)	systemic	0.45	mg/kg bw/day
	inhalative	Long term (chronic)	systemic	0.39	mg/m³
3	hexyl-salicylate			6259-76-3 228-408-6	
	oral	Long term (chronic)	systemic	0.625	mg/kg/day

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

oral	Short term (acut)	systemic	1.25	mg/kg/day
dermal	Long term (chronic)	systemic	12500	mg/kg/day
dermal	Short term (acut)	systemic	12500	mg/kg/day
dermal	Short term (acut)	local	885	µg/cm ²
inhalative	Long term (chronic)	systemic	2.19	mg/m ³
inhalative	Short term (acut)	systemic	2.19	mg/m ³

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	marine water	0.79	mg/L
	water	fresh water sediment	3.6	mg/kg dry weight
	water	marine water sediment	2.9	mg/L
	soil	-	0.63	mg/kg dry weight
	sewage treatment plant	-	580	mg/L
	secondary poisoning with reference to: food	-	0.38	g/kg
2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on		111879-80-2 422-320-3	
	water	fresh water	2.7	µg/L
	water	marine water	0.27	µg/L
	water	fresh water sediment	21	mg/kg dry weight
	water	marine water sediment	4.2	mg/kg dry weight
	soil	-	5.44	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
3	(Z)-3-hexenyl salicylate		65405-77-8 265-745-8	
	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
	with reference to: dry weight			
	sewage treatment plant	-	10	mg/L
	secondary poisoning with reference to: food	-	40	mg/kg
4	hexyl-salicylate		6259-76-3 228-408-6	
	water	fresh water	0	mg/L
	water	marine water	0	mg/L
	water	Aqua intermittent	0.004	mg/L
	water	fresh water sediment	0.272	mg/kg dry weight
	water	marine water sediment	0.027	mg/kg dry weight
	soil	-	0.054	mg/kg
	sewage treatment plant	-	10	mg/L

8.2 Exposure controls

Appropriate engineering controls

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

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. 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.

Other

Chemical-resistant work clothes.

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	
Form	
liquid	
Colour	
colourless	
Odour	
perfumed-like	
pH value	
Value	6.2
Boiling point / boiling range	
Value	78 °C
Reference substance	Ethanol
Melting point/freezing point	
No data available	
Decomposition temperature	
No data available	
Flash point	
Value	20.5 °C
Method	IP 170
Ignition temperature	
No data available	
Explosive properties	
The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use.	
Flammability	
No data available	
Lower explosion limit	
No data available	
Upper explosion limit	

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

No data available			
Vapour pressure			
No data available			
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
No data available			
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
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	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
	log Pow	5.45	
	Reference temperature	25	°C
	with reference to	pH 6,9	
	Method	OECD 123	
	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	
4	hexyl-salicylate	6259-76-3	228-408-6
	log Pow	5.5	
	Method	OECD 117	
	Source	ECHA	
Kinematic viscosity			
No data available			
Particle characteristics			
No data available			

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.

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

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		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
LD50		3031	mg/kg bodyweight
Species	rat (female)		
Method	EU Method B.1		
Source	ECHA		
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
LD50		2000	mg/kg bodyweight
Species	rabbit		
Method	EU Method B.3		
Source	ECHA		
Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
LC50		124.7	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	hexyl-salicylate	6259-76-3	228-408-6
Duration of exposure		4	h
Species	rabbit		
Method	79/831/EEC		

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Source Evaluation	ECHA irritant
----------------------	------------------

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		irritant	
Evaluation/classification		Based on available data, the classification criteria are met.	
2	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
Species		rabbit	
Method		EU B.5	
Source		ECHA	
Evaluation		non-irritant	

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure		respiratory tract	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		Skin	
Species		mouse	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	(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	
3	hexyl-salicylate	6259-76-3	228-408-6
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Type of examination		in vitro gene mutation study in bacteria	
Species		Salmonella typhimurium	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Type of examination		in vitro gene mutation study in mammalian cells	
Species		mouse lymphoma cells	
Method		OECD 476	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Type of examination		Genotoxicity in vivo	
Species		mouse	
Method		OECD 478	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
Type of examination		in vitro gene mutation study in bacteria	

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Species	S. typhimurium TA 1535, TA 1537, TA 98, TA 100 and TA 102
Method	OECD 471
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

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		>=	20000 ppm
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	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
Route of exposure		oral	
Type of examination		Reproductive studies - one generation	
Species		rat	
Method		OECD 415	
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 422	
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
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure

No data available

STOT - repeated exposure

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.	
2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
Route of exposure		oral	
NOAEL		>=	1000 mg/kg bw/d
Duration of exposure		90	d

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Species	rat		
Method	OECD 408		
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
Route of exposure	oral		
Species	rat		
Method	OECD 422		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard

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**

Toxicity to fish (acute)			
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	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
LC50	>	0.65	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
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	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
EC50		0.6	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	hexyl-salicylate	6259-76-3	228-408-6
EC50		0.357	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

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	
2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
NOEC		0.068	mg/l
Duration of exposure		28	day(s)
Species		Daphnia magna	
Method		OECD 211	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	

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	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
EC50		0.4	mg/l
Duration of exposure		72	h
Species		Desmodesmus subspicatus	
Method		EU C.3	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are met.	
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
EC50		0.61	mg/l
Duration of exposure		72	h
Species		Desmodesmus subspicatus	
Method		OECD 201	
Source		ECHA	
4	hexyl-salicylate	6259-76-3	228-408-6
ErC50		0.61	mg/l
Duration of exposure		72	h
Species		Desmodesmus subspicatus	
Method		OECD 201	
Source		ECHA	

Toxicity to algae (chronic)	
No data available	
Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Type		aerobic biodegradation	
Value		84	%
Duration		20	day(s)
Source		ECHA	
Evaluation		readily biodegradable	
2	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Type	aerobic biodegradation		
Value	96.7	%	
Duration	28	d	
Method	OECD 301 F		
Source	ECHA		
Evaluation	degradable		
3	(Z)-3-hexenyl salicylate	65405-77-8	265-745-8
Type	aerobic biodegradation		
Value	89	%	
Duration	28	day(s)	
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
4	hexyl-salicylate	6259-76-3	228-408-6
Value	91	%	
Method	OECD 301 F		
Source	ECHA		

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	hexyl-salicylate	6259-76-3	228-408-6
BCF		3.95	
Source		ECHA	
Partition coefficient n-octanol/water (log value)			
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	A mixture of: (E)-oxacyclohexadec-12-en-2-one (E)-oxacyclohexadec-13-en-2-on	111879-80-2	422-320-3
log Pow		5.45	
Reference temperature		25 °C	
with reference to		pH 6,9	
Method		OECD 123	
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	
4	hexyl-salicylate	6259-76-3	228-408-6
log Pow		5.5	
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 a PBT.
vPvB assessment	The components of this product are not considered to be a vPvB.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

No data available.

12.8 Other information**Other information**

Do not discharge into drains or waters and do not dispose of in public landfills.

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

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

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 UN number or ID number**

ADR/RID/ADN	UN1266
IMDG	UN1266
ICAO-TI / IATA	UN1266

14.2 UN proper shipping name

ADR/RID/ADN	PERFUMERY PRODUCTS
IMDG	PERFUMERY PRODUCTS
Technical name	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one
ICAO-TI / IATA	Perfumery products

14.3 Transport hazard class(es)

ADR/RID/ADN - Class	3
Label	3
Classification code	F1
Tunnel restriction code	D/E
Hazard identification no.	33
Special Provision 640	640D
IMDG - Class	3
Label	3
ICAO-TI / IATA - Class	3
Label	3

14.4 Packing group

ADR/RID/ADN	II
IMDG	II
ICAO-TI / IATA	II

14.5 Environmental hazards

ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"
EmS	F-E, S-D

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

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

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

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	(+/-) trans-3,3-dimethyl-5-(2,2,3-trimethyl-cyclopent-3-en-1-yl)-pent-4-en-2-ol	107898-54-4	411-580-3	75
2	geraniol	106-24-1	203-377-1	75
3	linalool	78-70-6	201-134-4	75

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: E2, P5b

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

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.

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

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

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.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 756942

Trade name: LINARI-GIAPPONE

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB
