

**Trade name:** LINARI-AMARENA**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-AMARENA****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-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one

**Hazard statement(s)**

Trade name: LINARI-AMARENA

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 hexyl-salicylate, piperonal, 4-tert-butylcyclohexyl acetate, 3-p-cumenyl-2-methylpropionaldehyde, 3,7-dimethyloctan-3-ol. 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.  
 P280 Wear protective gloves.  
 P391 Collect spillage.  
 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 2; H411 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 2.50 wt%
3	<b>OXACYCLOHEXADECEN-2-ONE</b>		
	34902-57-3 422-320-3 606-092-00-4 01-0000016883-62	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50 wt%
4	<b>alpha,beta,2,2,3-pentamethylcyclopent-3-ene-1-butanol</b>		
	65113-99-7 265-453-0 - -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 2.50 wt%
5	<b>hexyl-salicylate</b>		

Trade name: LINARI-AMARENA

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

	6259-76-3 228-408-6 - -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319	< 0.50	wt%
6	<b>piperonal</b>			
	120-57-0 204-409-7 - -	Skin Sens. 1B; H317	< 0.50	wt%
7	<b>4-tert-butylcyclohexyl acetate</b>			
	32210-23-4 250-954-9 - 01-2119976286-24	Skin Sens. 1B; H317	< 0.50	wt%
8	<b>A mixture of cis- and trans-cyclohexadec-8-en-1-one</b>			
	3100-36-5 401-700-2 606-046-00-3 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	< 0.50	wt%
9	<b>3-p-cumenyl-2-methylpropionaldehyde</b>			
	103-95-7 203-161-7 - -	Aquatic Chronic 2; H411 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.50	wt%
10	<b>3,7-dimethyloctan-3-ol</b>			
	78-69-3 201-133-9 - 01-2119454788-21	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	< 0.50	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%	-	-

## 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.

**Trade name:** LINARI-AMARENA**Current version :** 4.0.1, issued: 04.06.2024**Replaced version:** 4.0.0, issued: 26.05.2021**Region:** GB**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. 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); Toxic pyrolysis products

**5.3 Advice for firefighters**

Use self-contained breathing apparatus. Wear protective clothing. Cool closed containers exposed to fire with water. 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.

Trade name: LINARI-AMARENA

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

**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	8238 mg/kg/day
	inhalative	Long term (chronic)	systemic	380 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		
	inhalative	Long term (chronic)	systemic	114 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	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	<b>OXACYCLOHEXADECEN-2-ONE</b>	34902-57-3 422-320-3	
	water	fresh water	2.7 µg/L
	water	marine water	0.27 µg/L
	water	marine water sediment	4.2 mg/kg dry weight
	water	fresh water sediment	21 mg/kg dry weight
	soil	-	5.44 mg/kg dry weight
	sewage treatment plant	-	10 mg/L

**8.2 Exposure controls****Appropriate engineering controls**

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

**Personal protective equipment**

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

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
colourless	
<b>Odour</b>	
perfumed-like	
<b>pH value</b>	
Value	6.6
<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	20 °C
Method	Pensky-Martens closed cup
<b>Ignition temperature</b>	
No data available	
<b>Auto-ignition temperature</b>	
Value	365 °C
Reference substance	Ethanol
<b>Explosive properties</b>	
The product is not explosive. Formation of explosive/highly flammable air-vapour mixtures is possible during/after use.	

Trade name: LINARI-AMARENA

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

Flammability			
No data available			
Lower explosion limit			
Value	3.5	% vol	
Reference substance	Ethanol		
Upper explosion limit			
Value	15	% vol	
Reference substance	Ethanol		
Vapour pressure			
Value	57	mbar	
Reference temperature	20	°C	
Reference substance	Ethanol		
Relative vapour density			
Comments	Air = 1		
Comments	Heavier than air.		
Relative density			
No data available			
Density			
No data available			
Solubility in water			
Comments	miscible		
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	
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-AMARENA

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

**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	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Acute dermal toxicity			
No data available			
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.	
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.	
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	

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

Evaluation/classification	Based on available data, the classification criteria are not met.
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<b>Germ cell mutagenicity</b>			
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.	

<b>Reproduction toxicity</b>			
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		>=	20000 ppm
Species		Prenatal Developmental Toxicity Study	
Method		rat	
Method		OECD 414	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

<b>Carcinogenicity</b>			
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.	

<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**

Trade name: LINARI-AMARENA

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

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		

<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		

<b>Toxicity to Daphnia (chronic)</b>			
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		

<b>Toxicity to algae (acute)</b>			
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		

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

<b>Bacteria toxicity</b>			
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)
Source	ECHA		
Evaluation	readily biodegradable		

**12.3 Bioaccumulative potential**

Trade name: LINARI-AMARENA

Current version : 4.0.1, issued: 04.06.2024

Replaced version: 4.0.0, issued: 26.05.2021

Region: GB

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	

**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 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

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

Label	3
<b>ICAO-TI / IATA - Class</b>	3
Label	3
<b>14.4 Packing group</b>	
ADR/RID/ADN	II
IMDG	II
ICAO-TI / IATA	II
<b>14.5 Environmental hazards</b>	
ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"
EmS	F-E, S-D
<b>14.6 Special precautions for user</b>	
No data available.	
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	
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

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	2,4,4,7-tetramethyl-6-octen-3-one	74338-72-0	422-520-0	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)**

H315 Causes skin irritation.

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**Trade name:** LINARI-AMARENA

**Current version :** 4.0.1, issued: 04.06.2024

**Replaced version:** 4.0.0, issued: 26.05.2021

**Region:** GB

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H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

**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.

Alterations/supplements:

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

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