Trade name: LINARI-ONDA

Current version: 4.0.0, Revision: 18.02.2026 **Replaced version:** 3.1.1, Revision: 19.06.2023 **Region:** GB

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

1.1 Product identifier

Trade name

LINARI-ONDA

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)

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 linalool, 3,7-dimethylnona-1,6-dien-3-ol, Lemon, ext., linalyl acetate, Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene, alpha-methyl-1,3-benzodioxole-5-propionaldehyde, alpha-hexylcinnamaldehyde, cinnamaldehyde. 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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**			
	1222-05-5 214-946-9 603-212-00-7 01-2119488227-29	Aquatic Chronic 1; H410 Aquatic Acute 1; H400	< 2.50	wt%
4	**linalool**			
	78-70-6 201-134-4 603-235-00-2 01-2119474016-42	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	< 2.50	wt%
5	**3,7-dimethylnona-1,6-dien-3-ol**			
	10339-55-6 233-732-6 - 01-2119969272-32	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317	< 2.50	wt%

6	**Lemon, ext.**				
	84929-31-7 284-515-8 - -	Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	<	0.50	wt%
7	**linalyl acetate**				
	115-95-7 204-116-4 - 01-2119454789-19	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317	<	0.50	wt%
8	**Acetic acid, anhydride, reaction products with 1,5,10-trimethyl-1,5,9-cyclododecatriene**				
	144020-22-4 482-330-9 - -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Sens. 1B; H317	<	0.50	wt%
9	**alpha-methyl-1,3-benzodioxole-5-propionaldehyde**				
	1205-17-0 214-881-6 - 01-2120740119-58	Aquatic Chronic 2; H411 Skin Sens. 1B; H317 Repr. 2; H361	<	0.50	wt%
10	**alpha-hexylcinnamaldehyde**				
	101-86-0 202-983-3 - -	Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Skin Sens. 1B; H317	<	0.50	wt%
11	**cinnamaldehyde**				
	104-55-2 203-213-9 606-155-00-6 -	Skin Sens. 1A; H317	<	0.10	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	Eye Irrit. 2; H319: C >= 50%	-	-
8	-	-	M = 1	M = 1
11	-	Skin Sens. 1A; H317: C >= 0.01%	-	-

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

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).

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

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/m³	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/m³
2	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**			**1222-05-5 214-946-9**	
	dermal	Long term (chronic)	systemic	36.7	mg/kg/day
	inhalative	Long term (chronic)	systemic	13.5	mg/m³
3	**linalool**			**78-70-6 201-134-4**	
	dermal	Long term (chronic)	systemic	3.5	mg/kg/day
	dermal	Long term (chronic)	local	3	mg/cm²
	dermal	Short term (acut)	local	3	mg/cm²
	inhalative	Long term (chronic)	systemic	24.58	mg/m³
4	**3,7-dimethylnona-1,6-dien-3-ol**			**10339-55-6 233-732-6**	
	dermal	Long term (chronic)	systemic	2.7	mg/kg/day
	dermal	Short term (acut)	systemic	5.5	mg/kg/day
	dermal	Long term (chronic)	local	1.6	mg/cm²
	dermal	Short term (acut)	local	1.6	mg/cm²
	inhalative	Long term (chronic)	systemic	3	mg/m³
	inhalative	Short term (acut)	systemic	18	mg/m³
5	**linalyl acetate**			**115-95-7 204-116-4**	
	dermal	Long term (chronic)	systemic	2.5	mg/kg bw/day
	dermal	Long term (chronic)	local	236.2	µg/cm²
	dermal	Short term (acut)	local	236.2	µg/cm²
	inhalative	Long term (chronic)	systemic	2.75	mg/m³

6	**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/cm²
	inhalative	Long term (chronic)	systemic	1.2	mg/m³

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/m³
2	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**			**1222-05-5 214-946-9**	
	oral	Long term (chronic)	systemic	2.3	mg/kg/day
	dermal	Long term (chronic)	systemic	22	mg/kg/day
	inhalative	Long term (chronic)	systemic	4	mg/m³
3	**linalool**			**78-70-6 201-134-4**	
	oral	Short term (acut)	systemic	2.49	mg/kg/day
	dermal	Short term (acut)	systemic	1.25	mg/kg/day
	dermal	Long term (chronic)	local	1.5	mg/cm²
	dermal	Short term (acut)	local	1.5	mg/cm²
	inhalative	Long term (chronic)	systemic	4.33	mg/m³
4	**3,7-dimethylnona-1,6-dien-3-ol**			**10339-55-6 233-732-6**	
	oral	Long term (chronic)	systemic	0.2	mg/kg/day
	oral	Short term (acut)	systemic	1.3	mg/kg/day
	dermal	Long term (chronic)	systemic	1.4	mg/kg/day
	dermal	Short term (acut)	systemic	2.7	mg/kg/day
	dermal	Long term (chronic)	local	1.6	mg/cm²
	dermal	Short term (acut)	local	1.6	mg/cm²
	inhalative	Long term (chronic)	systemic	0.74	mg/m³
	inhalative	Short term (acut)	systemic	4.4	mg/m³
5	**linalyl acetate**			**115-95-7 204-116-4**	
	oral	Long term (chronic)	systemic	0.2	mg/kg bw/day
	dermal	Long term (chronic)	systemic	1.25	mg/kg bw/day
	dermal	Long term (chronic)	local	236.2	µg/cm²
	dermal	Short term (acut)	local	236.2	µg/cm²
	inhalative	Long term (chronic)	systemic	0.68	mg/m³
6	**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/cm²
	inhalative	Long term (chronic)	systemic	0.29	mg/m³

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	-	0.38	g/kg
	with reference to: food			
2	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**		**1222-05-5 214-946-9**	
	water	fresh water	6.8	µg/L
	water	marine water	0.44	µg/L
	water	fresh water sediment	2	mg/kg dry weight
	water	marine water sediment	0.394	mg/kg dry weight
	soil	-	1.5	mg/kg dry weight
	sewage treatment plant	-	1	mg/L
	secondary poisoning	-	20.4	mg/kg food
3	**linalool**		**78-70-6 201-134-4**	
	water	fresh water	0.2	mg/L
	water	marine water	0.02	mg/L
	water	Aqua intermittent	2	mg/L
	water	fresh water sediment	2.22	mg/kg dry weight
	water	marine water sediment	0.222	mg/kg dry weight
	soil	-	0.327	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	7.8	mg/kg food
4	**3,7-dimethylnona-1,6-dien-3-ol**		**10339-55-6 233-732-6**	
	water	fresh water	0.023	mg/L
	water	marine water	0.002	mg/L
	water	Aqua intermittent	0.23	mg/L
	water	fresh water sediment	0.223	mg/kg dry weight
	water	marine water sediment	0.022	mg/kg dry weight
	soil	-	0.031	mg/kg dry weight
	sewage treatment plant	-	10	mg/L
	secondary poisoning	-	8.53	mg/kg
	with reference to: food			
5	**linalyl acetate**		**115-95-7 204-116-4**	
	water	fresh water	0.011	mg/L
	water	marine water	0.001	mg/L
	soil	-	0.115	mg/kg dry weight
	sewage treatment plant	-	1	mg/L
6	**alpha-methyl-1,3-benzodioxole-5-propionaldehyde**		**1205-17-0 214-881-6**	
	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

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. 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	5.3

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	17.0 °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
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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**
log Pow		5.3	
Reference temperature		25	°C
Source	ECHA		
3	**linalool**	**78-70-6**	**201-134-4**
log Pow		2.84	
Reference temperature		25	°C
with reference to	pH 7		
Method	OECD 107		
Source	ECHA		
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**	**233-732-6**
log Pow		3.3	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
5	**linalyl acetate**	**115-95-7**	**204-116-4**
log Pow		3.9	
Reference temperature		25	°C
Method	OECD 107		
Source	ECHA		
6	**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		

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.

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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
LD50		>	2150	mg/kg bodyweight
Species		rat		
Method		OECD 401		
Source		ECHA		
3	**linalool**	**78-70-6**		**201-134-4**
LD50		2790		mg/kg bodyweight
Species		rat		
Method		OECD 401		
Source		ECHA		
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**		**233-732-6**
LD50		5283		mg/kg bodyweight
Species		rat		
Method		Pre-guideline, Non-GLP		
Source		ECHA		
5	**linalyl acetate**	**115-95-7**		**204-116-4**
LD50		>	9000	mg/kg bodyweight
Species		rat		
Method		BASF-Test		
Source		ECHA		
6	**alpha-methyl-1,3-benzodioxole-5-propionaldehyde**	**1205-17-0**		**214-881-6**
LD50		3561		mg/kg bodyweight
Species		rat		
Method		OECD 401		
Source		ECHA		

Acute dermal toxicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**

LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2 linalool	**78-70-6**		**201-134-4**
LD50		5610	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
3 3,7-dimethylnona-1,6-dien-3-ol	**10339-55-6**		**233-732-6**
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	Pre-guideline, Non-GLP		
Source	ECHA		
4 linalyl acetate	**115-95-7**		**204-116-4**
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Source	ECHA		
5 alpha-methyl-1,3-benzodioxole-5-propionaldehyde	**1205-17-0**		**214-881-6**
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
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 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	**1222-05-5**	**214-946-9**
Species	rabbit	
Method	OECD 404	
Source	ECHA	
Evaluation	non-irritant	
3 linalool	**78-70-6**	**201-134-4**
Species	rabbit	
Method	OECD 404	
Source	ECHA	
Evaluation	irritant	
4 3,7-dimethylnona-1,6-dien-3-ol	**10339-55-6**	**233-732-6**
Species	Human Skin Model	
Method	OECD 439	
Source	ECHA	
Evaluation	irritant	
5 linalyl acetate	**115-95-7**	**204-116-4**
Duration of exposure	4	h
Species	rabbit	

Method	OECD 404
Source	ECHA
Evaluation	irritant

6	**alpha-methyl-1,3-benzodioxole-5-propionaldehyde**	**1205-17-0**	**214-881-6**
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.**
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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
3	**linalool**	**78-70-6**	**201-134-4**
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		irritant	
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**	**233-732-6**
Species		rabbit	
Method		Pre-guideline, Non-GLP	
Source		ECHA	
Evaluation		irritant	
5	**linalyl acetate**	**115-95-7**	**204-116-4**
Species		rabbit	
Method		BASF-Test	
Source		ECHA	
Evaluation		irritant	
6	**alpha-methyl-1,3-benzodioxole-5-propionaldehyde**	**1205-17-0**	**214-881-6**
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not 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	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	**linalool**	**78-70-6**	**201-134-4**
Route of exposure		Skin	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	

3	3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	233-732-6
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
4	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	

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	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	214-946-9
Type of examination		Ames-Test	
Species		bacteria	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	linalool	78-70-6	201-134-4
Type of examination		in vitro chromosome aberration test	
Species		Chinese hamster Ovary (CHO)	
Method		OECD 473	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	233-732-6
Type of examination		Bacterial Reverse Mutation Test	
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.	
5	linalyl acetate	115-95-7	204-116-4
Method		OECD 476	
Source		ECHA	
Evaluation/classification		Based on the available data, the classification criteria are not met.	
6	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.	

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	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5	214-946-9

Route of exposure	oral		
NOAEL	>	20	mg/kg bw/d
Species	rat		
Method	OECD 426		
Source	Chlorpyrifos SANCO/3059/99 - rev. 1.5, 3 June 2005		
Evaluation/classification	Based on available data, the classification criteria are not met.		

3	linalool	78-70-6	201-134-4

Route of exposure	oral		
NOAEL		500	mg/kg bw/d
Type of examination	Toxicity study		
Species	rat		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

4	3,7-dimethylnona-1,6-dien-3-ol	10339-55-6	233-732-6

Species	rat
Method	ICH Guideline (FDA, 1994)
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

5	linalyl acetate	115-95-7	204-116-4

Method	OECD 421
Source	ECHA
Evaluation/classification	Based on the 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.

2	linalool	78-70-6	201-134-4

Route of exposure	dermal		
NOAEL		250	mg/kg bw/d
Species	rat		
Method	OECD 411		
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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**

Route of exposure	oral	
	> 150	mg/kg bw/d
Species	rat	
Method	OECD 408	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

3	**linalool**	**78-70-6**	**201-134-4**

Route of exposure	dermal	
NOAEL	250	mg/kg bw/d
Species	rat	
Method	OECD 411	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
Route of exposure	oral	
Species	rat	
Method	OECD 408	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

4	**linalyl acetate**	**115-95-7**	**204-116-4**

Method	OECD 407
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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**

LC50	0.95	mg/l
Duration of exposure	96	h
Species	Oryzias latipes	
Method	OECD 203	
Source	ECHA	

3	**linalool**	**78-70-6**	**201-134-4**

LC50	27.8	mg/l
Duration of exposure	96	h
Species	Oncorhynchus mykiss	
Method	OECD 203	

Source	ECHA			
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**		**233-732-6**
LC50		28		mg/l
Duration of exposure		96		h
Species	Danio rerio			
Method	OECD 203			
Source	ECHA			
5	**linalyl acetate**	**115-95-7**		**204-116-4**
LC50		11		mg/l
Duration of exposure		96		h
Species	Cyprinus carpio			
Method	OECD 203			
Source	ECHA			
6	**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			

Toxicity to fish (chronic)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
NOEC		0.068		mg/l
Duration of exposure		36		day(s)
Species	Fathead minnow			
Method	OECD 210			
Source	ECHA			

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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
EC50		0.3		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Source	ECHA			
3	**linalool**	**78-70-6**		**201-134-4**
EC50		59		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Method	OECD 202			
Source	ECHA			
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**		**233-732-6**
EC50		23		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Method	OECD 202			
Source	ECHA			
5	**linalyl acetate**	**115-95-7**		**204-116-4**
EC50		59		mg/l
Duration of exposure		48		h
Species	Daphnia magna			
Method	OECD 202			
Source	ECHA			

6	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		

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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
NOEC			0.038	mg/l
Duration of exposure			6	day(s)
Species		Daphnia magna		
Method		OECD 211		
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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
EC50		>	854	µg/l
Duration of exposure			72	h
Species		Pseudokirchneriella subcapitata		
Method		OECD 201		
Source		ECHA		
3	**linalool**	**78-70-6**		**201-134-4**
ErC50			156.7	mg/l
Duration of exposure			96	h
Species		Desmodesmus subspicatus		
Method		DIN 38412		
Source		ECHA		
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**		**233-732-6**
EC50			13.3	mg/l
Duration of exposure			72	h
Species		Desmodesmus subspicatus		
Method		OECD 201		
Source		ECHA		
5	**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		

Toxicity to algae (chronic)
No data available

Bacteria toxicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**

IC50	>	10	mg/l
Species	activated sludge		
Method	OECD 301 D		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2 linalyl acetate	**115-95-7**		**204-116-4**
EC20	>	1000	mg/l
Duration of exposure		30	min
Species	activated sludge		
Source	ECHA		

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	appr.	84		%
Duration		20		day(s)
Source	ECHA			
Evaluation	readily biodegradable			
2	**linalool**	**78-70-6**		**201-134-4**
Value	>	64		%
Duration		28		day(s)
Method	OECD 301 D			
Source	ECHA			
Evaluation	readily biodegradable			
3	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**		**233-732-6**
Value		91		%
Duration		28		day(s)
Method	OECD 301 F			
Source	ECHA			
Evaluation	readily biodegradable			
4	**linalyl acetate**	**115-95-7**		**204-116-4**
Type	aerobic biodegradation			
Value	70	- 80		%
Duration		28		day(s)
Method	OECD 301 F			
Source	ECHA			
Evaluation	readily biodegradable			

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
BCF	1584	- 1624		
Species	Lepomis macrochirus			
Method	OECD 305 E			
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	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**		**214-946-9**
log Pow		5.3		
Reference temperature		25		°C

Source	ECHA			
3	**linalool**	**78-70-6**		**201-134-4**
log Pow			2.84	
Reference temperature			25	°C
with reference to	pH 7			
Method	OECD 107			
Source	ECHA			
4	**3,7-dimethylnona-1,6-dien-3-ol**	**10339-55-6**		**233-732-6**
log Pow			3.3	
Reference temperature			20	°C
Method	OECD 107			
Source	ECHA			
5	**linalyl acetate**	**115-95-7**		**204-116-4**
log Pow			3.9	
Reference temperature			25	°C
Method	OECD 107			
Source	ECHA			
6	**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			

12.4 Mobility in soil

Mobility in soil			
No	**Substance name**	**CAS no.**	**EC no.**
1	**1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran**	**1222-05-5**	**214-946-9**
log Koc		4.07	
Method	OECD 106		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
Product Name	
LINARI-ONDA	
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

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
Technical name	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran
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 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran
ICAO-TI / IATA	Perfumery products
Technical name	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1 one 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

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

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	**(1R,3S,7R,8R,10R,13R)-5,5,7,9,9,13-hexamethyl-4,6-dioxatetracyclo[6.5.1.01,10.03,7]tetradecane**	**211299-54-6**	**427-580-1**	**75**
2	**2,4-dimethylcyclohex-3-ene-1-carbaldehyde**	**68039-49-6**	**268-264-1**	**75**
3	**alpha-methyl-1,3-benzodioxole-5-propionaldehyde**	**1205-17-0**	**214-881-6**	**75**
4	**Benzyl salicylate**	**118-58-1**	**204-262-9**	**75**
5	**cinnamaldehyde**	**104-55-2**	**203-213-9**	**75**
6	**citral**	**5392-40-5**	**226-394-6**	**75**
7	**geraniol**	**106-24-1**	**203-377-1**	**75**
8	**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)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
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.

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.

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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