1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

1.1 Product identifier

Product name: White lotus

1.2 Relevant identified uses of the substance or mixture and uses advised against

Concentrated fragrance for manufacturing daily chemical products only.

1.3 Details of the supplier of the SDS

Supplier

NAME:SHANGHAI HERYNN FRAGRANCES & FLAVORS CO.,LTD.

TEL:+86 21 57742892

FAX:+86 21 57654635

Email:mc@herynn.com

PC:201614

1.4 Emergency telephone number

Chinese Center for Disease Control and Prevention(China CDC)

+86-10-58900240, 58900216

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Skin Irrit. 2, H315

Skin Sens. 1B, H317

Eye Irrit. 2, H319

Classification according to HCS 29 CFR 1910.1200（2023）

2.2 Label elements

Hazard pictograms:

Signal words: Warning

2.3.1 Hazard statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

Hazardous Components must be listed on the label

2.3.2 Precautionary statements

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Clean skin thoroughly after operation.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Response

P302+P352 - IF ON SKIN: Wash with plenty of water

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens

P321 - Specific treatment (see ... on this label).

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

Storage

Disposal

P501 - Dispose of contents/container in accordance with local regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture :Fragrances compounding

Chemical Name	CAS NO/EINECS	%
2-(2-ethoxyethoxy)ethanol	111-90-0/203-919-7	45-50
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	1222-05-5/214-946-9	10-15
4-methyl-2-(2-methylpropyl)oxan-4-ol	63500-71-0/613-238-0	8-9
α-hexylcinnamaldehyde	101-86-0/202-983-3	5-6
1-(1,2,3,5,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	68155-66-8/268-978-3	3-4
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	3-4
1-(1,2,3,4,6,7,8,8a-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	68155-67-9/268-979-9	3-4

linalool	78-70-6/201-134-4	3-4
2-phenylethanol	60-12-8/200-456-2	1-2
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5/204-846-3	1-2
citronellol	106-22-9/203-375-0	1-2
α,α-dimethylphenethyl acetate	151-05-3/205-781-3	1-2
benzyl salicylate	118-58-1/204-262-9	1-2
2-methyl-4-phenylbutan-2-ol	103-05-9/203-074-4	0.5-1
2,4-dimethyl-4,4a,5,9b-tetrahydroindeno[1,2-d]-1,3-dioxin	27606-09-3/248-561-2	0.5-1
3-methyl-5-phenylpentanol	55066-48-3/259-461-3	0.5-1
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	28219-61-6/248-908-8	0.5-1
6,6-dimethoxy-2,5,5-trimethylhex-2-ene	67674-46-8/266-885-2	0.5-1
benzyl acetate	140-11-4/205-399-7	0.5-1
α-methyl-1,3-benzodioxole-5-propionaldehyde	1205-17-0/214-881-6	0.5-1
hexyl salicylate	6259-76-3/228-408-6	0.5-1
2,2,2-trichloro-1-phenylethyl acetate	90-17-5/201-972-0	0.4-0.5
Total:		100

4. FIRST AID MEASURES

4.1 Description of first aid measures

Product code :SSZ1165
Never give anything by mouth to an unconscious person.
If inhaled: Move to fresh air.
If symptoms persist, call a physician.
Skin contact: Take off all contaminated clothing immediately.
If skin irritation persists, call a physician.
In case of eye contact: Irrigate copiously with clean, fresh water for at least 10 minutes, keep eye wide open while rinsing.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
Ingestion: Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovers position.
Never give anything by mouth to an unconscious person.
Clean mouth with water.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: no data available
Risks: no data available

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: no data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing: High volume water jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

Specific hazards during fire fighting: Do not use a solid water stream as it may scatter and spread fire

5.3 Advice for firefighters

Special PPE for fire-fighters:Wear self contained breathing apparatus.

Further information: Use water spray to cool unopened containers.

In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment.

Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions: Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up: Dam up.

Wipe up with absorbent material (e.g. cloth, fleece).

Additional advise: Suppress (knock down) gases/vapours/mists with a water spray jet.

Local authorities should be advised if significant spillages cannot be contained.

6.4 Reference to other sections

not applicable

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Avoid contact with skin and eyes.

For personal protection see section 8.

Advice on protection against fire and explosion:When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:Store in original container.

To maintain product quality, do not store in heat or direct sunlight.

Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

no data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameter

Product/ingredient name	Exposure limit values
2-(2-ethoxyethoxy)ethanol	TRGS 900 OEL (Germany, 6/2017). TWA: 35 mg/m3 8 hours. PEAK: 70 mg/m3 15 minutes. TWA: 6 ppm 8 hours. PEAK: 12 ppm 15 minutes. DFG MAC-values list (Germany, 7/2015). PEAK: 100 mg/m3, 4 times per shift, 15 minutes. Form: inhalable fraction T

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	DNEL	Long term Oral	0.75 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Dermal	14.43 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.3 mg/m³	Consumers	Systemic
	DNEL	Long term Inhalation	5.29 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	28.85 mg/kg bw/day	Workers	Local
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	DNEL	Long term Dermal	0.3 mg/kg	Workers	Systemic
	DNEL	Long term Inhalation	1.2 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	0.3 mg/m³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	0.2 mg/kg	General population [Consumers]	Systemic
	DNEL	Long term Oral	0.2 mg/kg	General population [Consumers]	Systemic
Vanillin	DNEL	Short term Oral	10 mg/kg bw/day	General population Consumers	Systemic
2,6-dimethyloct-7-en-2-ol	DNEL	Long term Inhalation	73.5 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	21.7 mg/m³	General population	Systemic
	DNEL	Long term Dermal	20.8 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	12.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	12.5 mg/kg bw/day	General population	Systemic
Hexyl salicylate	DNEL	Long term Inhalation	0.729 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	2083 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.219 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	1250 mg/kg bw/day	Consumers	Systemic
α-methyl-1,3-benzodioxole-5-propionaldehyde	DNEL	Long term Inhalation	1.2 mg/m³	Workers	Systemic
	DNEL	Long term Dermal	0.17 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	0.01 mg/m³	Workers	Local
	DNEL	Long term Inhalation	0.29 mg/m³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	0.083 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Dermal	0.005 mg/m³	General population [Consumers]	Loc
	DNEL	Long term Oral	0.017 mg/kg bw/day	General population [Consume	
Benzyl acetate	DNEL	Short term Oral	6.25 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Oral	3.125 mg/kg bw/day	Consumers	Systemic
	DNEL	Short term Dermal	6.25 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Dermal	3.125 mg/kg bw/day	Consumers	Systemic
	DNEL	Short term Inhalation	11 mg/m³	Consumers	Systemic
	DNEL	Long term Inhalation	5.5 mg/m³	Consumers	
	DNEL	Short term Dermal	12.5 mg/kg bw/day	Workers	
	DNEL	Long term Dermal	6.25 mg/kg bw/day	Workers	
	DNEL	Short term Inhalation	43.8 mg/m³	Workers	
	DNEL	Long term Inhalation	2	Workers	
6,6-dimethoxy-2,5,5-trimethylhex-2-ene	DNEL	Long term Inhalation	14.5 mg/m³	Workers	Systemic
	DNEL	Short term Inhalation	43.4 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	36.1 mg/m³	Workers	Local
	DNEL	Short term Inhalation	108.4 mg/m³	Workers	Local
	DNEL	Long term Dermal	4.1mg/kg	Workers	Systemic
	DNEL	Short term Dermal	12.3 mg/kg	Workers	System
	DNEL	Long term Dermal	10.3 mg/cm²	Workers	
	DNEL	Short term Oral	6.2 mg/kg	Workers	
	DNEL	Long term Inhalation	3.6 mg/m³	General population	
	DNEL	Short term Inhalation	10.7 mg/m³	General population	
	DNEL	Long term Inhalation	8.9 mg/m³	General population	
	DNEL	Short term Inhalation	26.7 mg/m³	General population	
	DNEL	Lon	2.1 mg		
	DNEL				
	DNEL				
	DNEL				

2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	DNEL	Long term Dermal	6 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	21 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	5.2 mg/m³	General population [Consumers]	Systemic
	DNEL	Long term Dermal	3 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Oral	3 mg/kg bw/day	General population [Consumers]	Systemic
Benzyl salicylate	DNEL	Long term Oral	0.45 mg/ kg bw/day	Consumers	Systemic
		Long term Dermal	0.45 mg/ kg bw/day	Consumers	Systemic
		Long term Inhalation	0.78 mg/m³	Consumers	Systemic
		Long term Dermal	0.9 mg/kg bw/day	Workers	Systemic
		Long term Inhalation	3.17 mg/m³	Workers	Systemi
Citronellol	DNEL	Long term Inhalation	161.6 mg/m³	Workers	Systemic
		Long term Dermal	327.4 mg/kg	Workers	Systemic
		Short term Dermal	2.95 mg/cm²	Workers	Local
		Long term Inhalation	47.8 mg/m³	Consumers	Systemic
		Long term Dermal	196.4 mg/kg	Consumers	Systemic
		Long term Oral	13.8 mg/kg	Consumers	Sys
		Short term Dermal	2.95 mg/cm²	Workers	
		Long term Inhalation	10mg/m³	Consumers	
2-phenylethanol	DNEL	Long term Oral	5.1 mg/kg bw/day	Consumers	Systemic
		Long term Dermal	12.7 mg/kg bw/day	Consumers	Systemic
		Long term Inhalation	17.7 mg/m³	Consumers	Systemic
		Long term Dermal	21.2 mg/kg bw/day	Workers	Systemic
		Long term Inhalation	59.9 mg/m³	Workers	Systemic
Linalool	DNEL	Short term Inhalation	16.5 mg/m³	Workers	Systemic
		Short term Dermal	5 mg/kg bw/day	Consumers	Systemic
		Long term Dermal	15 mg/cm²	Consumers	Local
		Short term Oral	1.2 mg/kg bw/day	Consumers	Systemic
		Short term Inhalation	4.1 mg/m³	Consumers	Systemic
		Short term Dermal	2.5 mg/cm²	Consumers	Sys
		Short term Dermal	15 mg/cm²	Consumers	
		Long term Oral	0.2 mg/kg bw/day	Consumers	
		Long term Inhalation	0.7 mg/m³	Consumers	
		Long term Dermal	1.25 mg/ kg bw/day	Consumers	
		Short term Dermal	15 mg/cm²	Workers	
		Long term Dermal		Workers	
		Long term Inhalation		Workers	
				Workers	
α-hexylcinnamaldehyde	DNEL	Long term Oral	0.056 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Dermal	0.079 mg/kg bw/day	Consumers	Local
	DNEL	Long term Dermal	0.079 mg/cm²	Consumers	Local
	DNEL	Long term Dermal	9 mg/kg bw/day	Consumers	Systemic
	DNEL	Short term Inhalation	4.7 mg/m³	Consumers	Local
	DNEL	Long term Inhalation	0.019 mg/m³	Consumers	Systemic
	DNEL	Long term Dermal	0.525 mg/cm²	Workers	
	DNEL	Long term Inhalation	0.078 mg/m³	Workers	
	DNEL	Long term Dermal	18.2 mg/kg bw/day	Workers	
	DNEL	Short term Inhalation	6.28 mg/m³	Workers	
	DNEL	Short term Dermal		Workers	
4-methyl-2-(2-methylpropyl)oxan-4-ol	DNEL	Long term Oral	1 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.8 mg/m³	General population	Systemic
	DNEL	Long term Dermal	2.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	3.9 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	6.1 mg/m³	Workers	Systemic

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	Fresh water	0.0332 mg/l	-
	Marine water	0.00332 mg/l	-

	Intermittent release	0.332 mg/l	-
	Sewage Treatment Plant	10 mg/l	-
	Fresh water sediment	2.29 mg/kg	-
	Marine water sediment	0.229 mg/kg	-
	Soil	0.437 mg/kg	-
Vanillin	Fresh water	0.118 mg/l	-
	Marine water	0.0118 mg/l	-
	Fresh water sediment	58.22 mg/kg	-
	Marine water sediment	5.8.2 mg/kg	-
	Soil	11.54 mg/kg	-
	Sewage Treatment Plant	10 mg/l	-
Linalool	Fresh water	200 µg/L	-
	Intermittent releases	2 mg/l	-
	(freshwater)	20 µg/L	-
	Marine water	10 mg/l	-
	Sewage Treatment Plant	2.22 mg/kg	-
	Fresh water sediment	222 µg/kg	-
	Marine water sediment	327 µg/kg	-
	Soil	7.8 mg/kg food	-
	Secondary poisoning		
α-hexylcinnamaldehyde	Fresh water	0.00138 mg/l	Assessment Factors
	Marine water	0.000138 mg/l	Assessment Factors
	Sewage Treatment Plant	10 mg/l	Assessment Factors
	Fresh water sediment	3.2 mg/kg dwt	Assessment Factors
	Marine water sediment	0.064 mg/kg dwt	Equilibrium Partitioning
	Soil	9.51 mg/kg dwt	Assessment Factors
	Secondary Poisoning	6.6 mg/l	-
	Intermittent release	0.03 mg/l	
4-methyl-2-(2-methylpropyl)oxan-4-ol	Fresh water	0.094 mg/l	-
	Fresh water sediment	0.412 mg/kg dwt	-
	Marine water	0.0094 mg/l	-
	Marine water sediment	0.0412 mg/kg dwt	-
	Intermittent release	0.94 mg/l	-
	Sewage Treatment Plant	10 mg/l	-
	Soil	0.0902 mg/kg dwt	-
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Sewage Treatment Plant	1 mg/l	-
	Soil	0.31 mg/kg	-
	Marine water sediment	0.394 mg/kg	-
	Fresh water sediment	2 mg/kg	-
	Marine water	0.00044 mg/l	-
	Fresh water	0.0044 mg/l	-

2-tert-butylcyclohexyl acetate	Fresh water	0.011 mg/l	Assessment Factors
	Marine water	0.0011 mg/l	Assessment Factors
	Sediment	1.5 mg/kg dwt	Equilibrium Partitioning
	Marine water sediment	0.15 mg/kg dwt	Equilibrium Partitioning
	Sewage Treatment Plant	10 mg/l	Assessment Factors
	Sol	0.293 mg/kg dwt	Equilibrium Partitioning
2,6-dimethyloct-7-en-2-ol	Fresh water	0.278 mg/l	-
	Marine water	0.278 mg/l	-
	Soil	0.103 mg/kg	-
	Fresh water sediment	0.594 mg/kg	-
	Marine water sediment	0.0594 mg/kg	-
Hexyl salicylate	Fresh water	0.000357 mg/l	-
	Marine water	0.0000357 mg/l	-
	Fresh water sediment	0.059 mg/kg	-
	Marine water sediment	0.0059 mg/kg	-
	Soil	0.0542 mg/kg	-
α-methyl-1,3-benzodioxole-5-propionaldehyde	Fresh water	0.005 mg/l	-
	Marine water	0.001 mg/l	-
	Sewage Treatment Plant	10 mg/l	-
	Fresh water sediment	0.057 mg/kg	-
	Marine water sediment	0.006 mg/kg	-
	Soil	0.008 mg/kg	-
Benzyl acetate	Soil	0.0205 mg/kg	-
	Marine water sediment	0.0114 mg/kg	-
	Fresh water sediment	0.114 mg/kg	-
	Sewage Treatment Plant	8.55 mg/l	-
	Intermittent release	0.04 mg/l	-
	Marine water	0.0004 mg/l	-
	Fresh water	0.004 mg/l	-
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Fresh water	8.8 µg/l	-
	Marine water	0.88 µg/l	-
	Fresh water sediment	1.05 mg/kg dwt	-
	Marine water sediment	0.105 mg/kg wwt	-
	Soil	0.206 mg/kg	-
	Sewage Treatment Plant	1 mg/l	-
Benzyl salicylate	Fresh water	0.00103 mg/l	-
	Secondary Poisoning	80 mg/kg	-
	Soil	0.021 mg/kg	-
	Sewage Treatment Plant	10 mg/l	-
	Marine water sediment	0.0584 mg/kg	-
	Fresh water sediment	0.000103 mg/l	-
	Marine water	0.0103 mg/l	-
	Intermittent release	0.584 mg/kg	-
	Marine water	0.584 mg/kg	-
	Fresh water	0.00103 mg/l	-
	Intermittent release	0.0103 mg/l	-
	Secondary Poisoning	80 mg/kg	-

Citronellol	Fresh water	2.4 µg/L	-
	Intermittent releases	24 µg/L	-
	(freshwater)	240 ng/L	-
	Marine water	580 mg/l	-
	Sewage Treatment Plant	25.6 µg/kg	-
	Fresh water sediment	2.56 µg/kg	-
	Marine water sediment	3.71 µg/kg	-
	Soil		
2-phenylethanol	Soil	0.164 mg/kg	-
	Marine water sediment	0.1454 mg/kg	-
	Fresh water sediment	1.454 mg/kg	-
	Sewage Treatment Plant	10 mg/l	-
	Intermittent release	2.15 mg/l	-
	Marine water	0.0215 mg/l	-
	Fresh water	0.215 mg/l	-

8.2 Exposure controls

Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required

Hand protection : Barrier Creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.

Wear chemical-resistant gloves, e.g. safety gloves of chloroprene level 2

Eye protection : safety glasses

Skin and body protection : lightweight protective clothing.

Remove and wash contaminated clothing before re-use.

Hygiene measures : When using do not eat, drink or smoke

Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Color:	Colorless to slight yellow clear liquids
Odour:	Consistant to the standard sample
Gravity Density:	0.964~0.984(25/25℃)
Refrative index:	1.4565~1.4765(20℃)
Solubility in water:	Unsoluble
Flash point:	107℃
pH:	Not available.

product specification.

Please refer to the technical information sheet for specification data.

10. STABILITY AND REACTIVITY

10.1 Reactivity No decomposition if used according to specifications.
No dangerous reaction known under conditions of normal use.
10.2 Chemical stability Stable under recommended storage conditions.
Stable under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
There are no data available on the mixture itself.
Acute toxicity

Product/ingredient	Result/Species/Dose	Exposure
Citronellol	LD50 Rabbit Dermal 2650 mg/kg LD50 Rat Oral 3450 mg/kg	-
α-methyl-1,3-benzodioxole-5-propionaldehyde	LD50 Dermal Rabbit >2000 mg/kg LD50 Oral Rat 3600 mg/kg	-
Benzyl acetate	LD50 Rat oral 2490 mg/kg LD50 Oral mouse 830 mg/kg LCLo Inhalation mouse 1300 mg/m3/22H LC50 Inhalation Mammal - cat 245 ppm/8H LDLo Cat administration onto the skin 10mg/kg LD50 Oral rabbit 2200 mg/kg LD50 Rabbit administration onto the skin >5 mg/	-
6,6-dimethoxy-2,5,5-trimethylhex-2-ene	LD50 Dermal Rat >2000 mg/kg	-
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	LD50:Rabbit Dermal >4600 mg/kg LD50:Rat Oral 5000 mg/kg	-
3-methyl-5-phenylpentanol	LC50:Danio rerio - 13.3 mg/L - 96 h EC50:Daphnia magna - 13 mg/L - 48 h EC50:Pseudokirchneriella subcapitata 16mg/L 72h	-
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	LD50 Rat oral >5000 mg/kg	-
α,α-dimethylphenethyl acetate	LD50:Rat oral 3300mg/kg	-
4-methyl-3-decen-5-ol	LD50 Oral Rat 8000 mg/kg	
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	LD50:Rabbit Dermal >5000 mg/kg LD50:Rat Oral >5000 mg/kg	-
2-phenylethanol	LD50 Rat oral 1700mg/kg LD50:Rabbit Dermal 2535 mg/kg LD50:Rat Oral 1609 mg/kg	-
Linalool	LD50 Rabbit Dermal 5610 mg/kg LD50 Rat Dermal 5610 mg/kg LD50 Rat oral 2790 mg/kg LD50:Rabbit dermal 5610 mg/kg	-
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	LD50:Rat Dermal >5000 mg/kg LD50:Rat Oral >5000 mg/kg	-

α-hexylcinnamaldehyde	LD50 Rat oral 3100mg/KG LC50 Rat Inhalation Dusts and mists >2100 mg/m³ 8 Hours LD50 Rabbit Dermal 3000 mg/kg LD50 Rat Oral 3100 mg/kg	-
4-methyl-2-(2-methylpropyl)oxan-4-ol	LD50:Rabbit Dermal >2000 mg/kg LD:Rat Oral >5000 mg/kg	-
Benzyl salicylate	LD50 Oral Rat 2227 mg/kg LD50 Dermal Rabbit 14150 mg/kg	-
Decanal	LD50 Rat oral 3730 uL/kg LD50 mouse oral >41750 mg/kg LD50 Dermal rabbit 5040 Ul/kg	-
Allyl (3-methylbutoxy)acetate	LD50 Rat Oral 730 mg/kg	-
7-methyl-2H-benzo-1,5-dioxepin-3(4H)-one	LC50:Danio rerio > 100 mg/L - 96 h EC50:Daphnia magna - > 96.2 mg/L - 48h EC50:Pseudokirchneriella subcapitata > 100mg/L 72h NOEC:activated sludge, domestic - > 100 mg/L 32d	-
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	LD50:Rabbit Dermal >5000 mg/kg LD50:Rat Oral 3900 mg/kg	-
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	LD50:Rat Dermal >5000 mg/kg LD50:Rat Oral 4300 mg/kg	-
Pentyl salicylate	LD50:Dermal Rabbit >5000 mg/kg LD50:Oral Rat 4100 mg/kg	-
Methyl anthranilate	LD50:Rabbit Dermal >5 g/kg LD50:Rat Oral 2910 mg/kg	-
Hexyl salicylate	LD50 Dermal Rabbit >5 g/kg LD50 Oral Rat >5 g/kg	-
Vanillin	LD50 Rat oral 1580 mg/kgLC Rabbit ihalation >41700 ug/kg/4HLD Rat administration onto skin >2 gm/kgLD50 Rat intraperitoneal 1160 mg/kgLD50 Rat subcutaneous 1500 mg/kgLD50 Mouse oral 3925 mg/kgLC Mouse inhalation >41700 ug/kg/2H	-
2,6-dimethyloct-7-en-2-ol	LD50 Rat oral 3600 mg/kg LD50:Dermal rabbit >5 gm/kg	-
2-tert-butylcyclohexyl acetate	LD50 Rat oral 4,600 mg/kg LD50 Dermal rabbit 5,000 mg/kg	-
cis-hex-3-en-1-ol	LD50 Rat oral 4700mg/KG LD50:Rabbit Dermal > 5000mg/KG	-
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	LD50:Rabbit Dermal >5000 mg/kg LD50:Rat Oral >8000 mg/kg	-
Nerol	LD50:Rabbit Dermal > 5000mg/kg LD50:Rat Oral > 4500mg/kg	-
Undecan-4-olide	LD50 Rat oral 18,500 mg/kg LC50:Rainbow trout 569mg/L-96h EC50:Water flea 17.0 mg/L-48h	-

Linalyl acetate	LD50 Rat oral 13934 mg/kg LD50 Rabbit Dermal >5000 mg/kg	-
1-phenylethyl acetate	LD50 Rat oral >5000 mg/kg LD50 Dermal rabbit >5000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Linalyl acetate	Skin - Moderate irritant Skin - Severe irritant	Guinea pig Rabbit	- -	24 hours 100 mg 24 hours 100 mg	- -
Allyl (3-methylbutoxy)acetate	Skin - Mild irritant	Rabbit	-	-	-
Nerol	Eyes - Moderate irritant Skin - Moderate irritant	Rabbit Rabbit	-	0.1 Mililiters 24 hours 500mg	-
2,6-dimethyloct-7-en-2-ol	Eyes - Mild irritant Skin - Mild irritant Skin - Mild irritant	Rabbit Rabbit Rabbit	-	7.5% 4 hours 0.5 Ml 24 hours 500 mg	- - -
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Eyes - Irritant	Mammal - species unspecified	-	-	-
Citronellol	Eyes - Moderate irritant Skin - Severe irritant Skin - Moderate irritant Skin - Moderate irritant Skin - Severe irritant	Rabbit Guinea pig Man Rabbit Rabbit	- - - -	0.42% 24 hours 100mg 8 hours 16mg 4 hours 0.42%	-
2-phenylethanol	Eyes - Mild irritant Eyes - Severe irritant	Rabbit Rabbit	-	10 minutes 12 g 24 hours 750 mg	-
Linalool	Eyes - Moderate irritant Eyes - Moderate irritant Skin - Moderate irritant Skin - Mild irritant Skin - Mild irritant Skin - Mild irritant Skin - Severe irritant	Rabbit Rabbit Guinea pig Human Man Rabbit Rabbit	- - - - - - -	1 hours 0.1 ml 100 microliters 24 hours 100 mg 72 hours 32% 48 hours 16 mg 24 hours 500 mg 24 hours 100 mg	- - - - - - -
α-hexylcinnamaldehyde	Skin - Erythema/Eschar Eyes - Redness of the conjunctivae	Rabbit Rabbit	2 0.33	-	-

Mutagenicity

Product/ingredient name	Test	Experiment	Result
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	-	Experiment: In vivo Subject: Mammalian-Animal Experiment: In vitro Subject: Mammalian-Human	Negative Negative

α-hexylcinnamaldehyde	OECD 474 Mammalian Erythrocyte Micronucleus Test OECD 471 Bacterial Reverse Mutation Test	Experiment: In vivo Subject: Mammalian-Animal Experiment: In vitro Subject: Bacteria	Negative Negative

product specification.
Please refer to the technical information sheet for specification data.

10. STABILITY AND REACTIVITY

10.1 Reactivity No decomposition if used according to specifications.
No dangerous reaction known under conditions of normal use.
10.2 Chemical stability Stable under recommended storage conditions.
Stable under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
There are no data available on the mixture itself.
Acute toxicity

Product/ingredient name	Result	Species	Exposure
2,6-dimethyloct-7-en-2-ol	Acute EC50 3.88 mg/l Acute LC50 5.7 mg/l Acute LC50 4.81 mg/l	Algae Daphnia Fish	96 hours 48 hours 96 hours
4-methyl-2-(2-methylpropyl)oxan-4-ol	Acute EC50 320 mg/l Acute EC50 1000 mg/l Acute LC50 354 mg/l	Daphnia Micro-organism Fish	48 hours 3 hours 96 hours
α-hexylcinnamaldehyde	Acute EC50 0.247 mg/l Acute LC50 1.7 mg/l Chronic EC10 0.069 mg/l	Daphnia Fish Fresh water Daphnia	48 hours 96 hours 21 days
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Acute EC50 2.6 mg/l Acute EC50 1.38 mg/l Acute LC50 1.3 mg/l Chronic NOEC 0.028 mg/l Chronic NOEC 0.16 mg/l	Algae Daphnia Fish Daphnia Fish 30	72 hours 48 hours 96 hours 21 days days
Linalool	Acute EC50 141.4 mg/l Acute EC50 59 mg/l Acute EC50 >100 mg/l Acute LC50 27.8 mg/l	Aquatic plants Daphnia Micro-organism Fish	96 hours 48 hours 3 hours 96 hours
2-phenylethanol	Acute EC50 287 mg/l Acute LC50 460 mg/l	Daphnia Fish	48 Hours 96 Hours
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	Acute EC50 2.65 mg/l	Daphnia	48 hours
Citronellol	Acute EC10 580 mg/l Acute EC50 2.4 mg/l Acute EC50 17.48 mg/l Acute LC50 14.66 mg/l	Micro-organism Aquatic plants Daphnia Fish	30 Minu 72 Hours 48 Hours 96 Hours

α,α-dimethylphenethyl acetate	Acute EC50 21.3 mg/l	Daphnia	48 hours
Benzyl salicylate	EC50 1.29 mg/l Acute EC50 1.16 mg/l Acute LC50 1.03 mg/l	Algae - Pseudokirchnerella subcapitata Daphnia - Daphnia magna Fish - Danio rerio	72 hours 48 hours 96 hours
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	Acute EC50 2.5 mg/l Acute EC50 1.4 mg/l Acute LC50 1.34 mg/l Acute LC50 1.1 mg/l Acute NOEC 0.44 mg/l Acute NOEC 0.8 mg/l Acute NOEC 0.49 mg/l	Algae Daphnia Daphnia Fish Algae Daphnia Fish	96 hours 48 hours 48 hours 96 hours 96 hours 48 hours 96 hours
6,6-dimethoxy-2,5,5-trimethylhex-2-ene	Acute EC50 50.7 mg/l	Daphnia	48 hours
Benzyl acetate	Acute EC50 17 mg/l Acute EC50 855 mg/l Acute IC50 114 mg/l Chronic NOEC 52 mg/l	Daphnia Micro-organism Algae Algae	48 hours 3 hours 72 hours 72 hours
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	Acute EC50 0.9 mg/l Acute LC50 0.452 mg/l Chronic NOEC 0.111 mg/l Chronic NOEC 0.068 mg/l	Daphnia Fish Daphnia Fish	48 hours 21 days 21 days 36 days
Hexyl salicylate	Acute EC50 0.357 mg/l Acute LC50 0.61 mg/l Acute LC50 1.34 mg/l	Daphnia Algae Fish	48 hours 72 hours 96 hours
Linalyl acetate	Acute EC50 15 mg/l Acute LC50 11 mg/l	Daphnia Fish	48 Hours 96 Hours
4-methyl-3-decen-5-ol	Acute EC50 0.4 mg/l Acute LC50 3 mg/l	Daphnia Fish	48 hours 96 hours
Nerol	Acute EC50 5.93 mg/l Acute EC50 10.8 mg/l Acute EC50 22 mg/l	Aquatic plants Daphnia Fish	72 hours 48 hours 96 hours
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	Acute EC50 1.8 mg/l	Daphnia	48 hours
cis-hex-3-en-1-ol	Acute LC50 381000 µg/l Fresh water	Fish - Pimephales promelas - Juvenile	96 hours
2-tert-butylcyclohexyl acetate	Acute EC50 17 mg/l Acute EC50 17 mg/l Acute LC50 1.7 mg/l	Aquatic plants Daphnia Fish	72 hours 48 hours 96 hours
Decanal	Acute EC50 4.5 mg/l Acute EC50 1.17 mg/l Acute LC50 1.45 mg/l	Algae Daphnia Fish	72 hours 48 hours 96 hours
Vanillin	Acute ECSO 36.8 mg/l Acute LC50 57000µg/1 Fresh water Acute NOEC 47 mg/l Acute NOEC 5.9 mg/l	Daphnia Fis Pimephales promelas Aquatic plants Daphnia	48 hours 96 hours 72 hours

Methyl anthranilate	Acute EC50 18.2 ppm Fresh water Acute LC50 9120 µg/l Fresh water	Daphnia - Daphnia magna Fish - Lepomis acrochirus -Fry	48 Hours 96 Hours
Pentyl salicylate	Acute LC50 1.34 mg/l	Fish	96 hours
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	Acute EC50 79.7 mg/l Acute EC50 33.2 mg/l Acute LC50 77.6 mg/l	Algae Daphnia Fish	72 hours 48 hours 96 hours
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Acute EC50 22.4 mg/l	Daphnia	48 hours
Anisaldehyde	Acutely not harmful to fish.	Fresh water fish	96 hours
α-methyl-1,3-benzodioxole-5-propionaldehyde	Acute EC50 8.3 mg/l	Daphnia	48 hours

12.2 Persistence and degradabilit

Product/ingredient nam	Test	Result	Dose	Inoculum
Hexyl salicylate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	91 % - Readily - 28 days	-	-
α-hexylcinnamaldehyde	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97 % - Readily - 28 days	-	-
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	OECD 301C Ready Biodegradability -Modified MITI Test (I)	11 % - Not readily - 28 days	-	-
Linalool	OECD 301D Ready Biodegradability - Closed Bottle Test	64% (BOD) in 28 days	-	-
2-phenylethanol	OECD 301B Ready Biodegradability -CO_2 Evolution Test	79 % - Readily - 28 days	-	-
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	-	77 % - Readily - 28 days	-	-
Citronellol	OECD 301B Ready Biodegradability -CO_2 Evolution Test	80-90 % - Readily - 28 days		
Citronellol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	90 % - Readily - 28 days	-	-
α,α-dimethylphenethyl acetate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	79 % - Readily - 28 days	-	-

Benzyl salicylate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	93 % - Readily - 28 days	-	-
6,6-dimethoxy-2,5,5-trimethylhex-2-ene	OECD 301D Ready Biodegradability -Closed Bottle Test	<60 % - Not readily - 28 days		
2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	OECD 301D Ready Biodegradability -Closed Bottle Test	5 % - Not readily - 28 days		
4-methyl-2-(2-methylpropyl)oxan-4-ol	OECD 301C Ready Biodegradability -Modified MITI Test (I)	<60 % - Not readily - 28 days	-	-
α-methyl-1,3-benzodioxole-5-propionaldehyde	OECD 301B Ready Biodegradability -CO2 Evolution Test	29 % - Not readily - 28 days	-	-
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	OECD 301F Ready Biodegradability - Manometric Respirometry Test	2 % - Not readily - 28 days	-	-
2,6-dimethyloct-7-en-2-ol	OECD 301B Ready Biodegradability -CO2 Evolution Test	72 % - Readily - 28 days	-	-
4-methyl-3-decen-5-ol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	73 % - Readily - 28 days	-	-
Nerol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	86 % - Readily - 28 days	-	-
Methyl 2,4-dihydroxy-3,6-dimethylbenzoate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	63 % - Readily - 28 days	-	-
2-tert-butylcyclohexyl acetate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	43 % - Not readily - 28 days	-	-
Decanal	OECD 301F Ready Biodegradability - Manometric Respirometry Test	82 % - Readily - 28 days		
Vanillin	OECD 301F Ready Biodegradability - Manometric Respirometry Test	>60 % - Readily - 28 days	-	-

Methyl anthranilate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	85 % - Readily - 28 days	Activated sludge	
Pentyl salicylate	OECD 301D Ready Biodegradability -Closed Bottle Test	84 % - Readily - 28 days	-	-
Tetrahydro-4-methyl-2-(2-methylprop-1-enyl)pyran	OECD 301F Ready Biodegradability - Manometric Respirometry Test	79 % - Readily - 28 days		
Linalyl acetate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	75 % - Readily - 28 days	-	
Allyl (3-methylbutoxy)acetate	OECD 301F Ready Biodegradability - Manometric Respirometry Test	74 % - Inherent - 32 days	-	-
Benzyl acetate	OECD 301B Ready Biodegradability -CO2 Evolution Test	92 % - Readily - 28 days	-	-

We have no quantitative data concerning the ecological effects of this product.

13. DISPOSAL CONSIDERATIONS

Product: Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging: Empty remaining contents.

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID IMDG IATA

14.1 UN number Not regulated. Not regulated. Not regulated.

14.2 UN proper shipping name - - -

14.3 Transport hazard class(es) - - -

14.4 Packing group - - -

14.5 Environmental hazards No. No. No.

Additional information

14.6 Special precautions for user

Transport within user’ s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable.

15. REGULATORY INFORMATION

15.1. General Information

For classification and labelling information see section 2. The classification of this mixture is in accordance with 1910.12 as amended.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture

15.3. Right to know

The following ingredients of this product are Listed or Exempt on the TSCA inventory.

All

This product contains the following ingredients that are subject to the reporting requirements of section 313 of SARA:

1222-05-5 GALAXOLIDE PURE

This product contains the following CERCLA reportable ingredients:

None

This product contains the following ingredients known to State of California to cause cancer, birth defects, or any other reproductive defects:

None

This product contains the following extremely hazardous substances according to the Californian Emergency Planning Community Right to Know Act (EPCRA):

None

This product contains the following ingredients listed in the Massachusetts Right to Know Act:

None

This product contains the following ingredients listed in the Pennsylvania Right to Know Act:

None

This product contains the following ingredients listed in the New Jersey Right to Know Act:

None

This product contains the following ingredients listed in the Minnesota Right to Know Act:

None

This product contains the following ingredients listed on the California Cleaning Products Right to Know Act:

None

This product contains the following ingredients listed on the California Flavour and Fragrance Right to Know Act:

None

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed

H336 May cause drowsiness or dizziness.

H330 Fatal if inhaled

H319 Causes serious eye irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H315 Causes skin irritation

H311 Toxic in contact with skin

H301 Toxic if swallowed

H226 Flammable liquid and vapour.

H361
Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

H314 Causes severe skin burns and eye damage

Version No: 1.1

Revision Time:2025-2-11