

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

1.1. Product identifier

Trade name or designation of the mixture	GLORIA VANDERBILT JARDIN À NEW YORK EAU DE PARFUM
Synonyms	None.
SDS number	30-41-0000631
Product code	560223 06
Issue date	07-01-2020
Version number	01

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

Identified uses	Personal care product used for cosmetic effect.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company name	Usine d'Aulnay - Soproréal
Address	137 rue Jacques Duclos 93600 AULNAY-SOUS-BOIS France
Telephone	+1 732 499-2745
e-mail	nacorpeuropesdsrequest@loreal.com

1.4. Emergency telephone number +33 1 48 79 50 20

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids	Category 2	H225 - Highly flammable liquid and vapor.
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Health hazards

Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
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Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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Hazard summary

May be ignited by heat, sparks or flames. Causes serious eye irritation. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects. This is a consumer care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin contact or eye contact.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: ETHANOL

Hazard pictograms



Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P101 If medical advice is needed, have product container or label at hand.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370 + P378 In case of fire: Use appropriate media to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

6,77% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 6,77% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. EUH208 - Contains BENZYL SALICYLATE, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, 2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE, D-LIMONENE, LINALOOL, CITRONELLOL, HYDROXYCITRONELLAL. May produce an allergic reaction.

2.3. Other hazards

Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
ETHANOL	72,08	64-17-5 200-578-6	01-2119457610-43	603-002-00-5	
Classification:	Flam. Liq. 2;H225, Eye Irrit. 2;H319				
BENZYL SALICYLATE	0,51	118-58-1 204-262-9	01-2119969442-31	-	
Classification:	Skin Sens. 1B;H317, Eye Irrit. 2;H319, Aquatic Chronic 3;H412				
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALEN ES	0,51	- 915-730-3	01-2119489989-04	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Chronic 2;H411				
2,5,10-TRIMETHYL-2,5,9-CYCLODO DECATRIEN-1-YL METHYL KETONE	0,31	144020-22-4 482-330-9	01-0000020172-83	-	
Classification:	Skin Sens. 1B;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
D-LIMONENE	0,26	5989-27-5 227-813-5	01-2119529223-47	601-029-00-7	
Classification:	Flam. Liq. 3;H226, Skin Irrit. 2;H315, Skin Sens. 1;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
LINALOOL	0,25	78-70-6 201-134-4	01-2119474016-42	603-235-00-2	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1B;H317, Eye Irrit. 2;H319, Acute Tox. 3;H331				
CIS-3-HEXENYL SALICYLATE	0,2	65405-77-8 265-745-8	01-2119987320-37	-	
Classification:	Aquatic Acute 1;H400, Aquatic Chronic 3;H412				

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
CITRONELLOL	0,1	106-22-9 203-375-0	01-2119453995-23	-	
Classification:	Skin Irrit. 2;H315, Skin Sens. 1B;H317, Eye Irrit. 2;H319				
HYDROXYCITRONELLAL	0,1	107-75-5 203-518-7	01-2119973482-31	-	
Classification:	Skin Sens. 1B;H317, Eye Irrit. 2;H319				

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards Highly flammable liquid and vapor.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium. Exposure Limit Values.

Components	Type	Value
ETHANOL (CAS 64-17-5)	TWA	1907 mg/m ³ 1000 ppm

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
ETHANOL (CAS 64-17-5)	VLE	9500 mg/m ³
Regulatory status: Indicative limit (VL)		5000 ppm
Regulatory status: Indicative limit (VL)	VME	1900 mg/m ³
Regulatory status: Indicative limit (VL)		1000 ppm
Regulatory status: Indicative limit (VL)		

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value
D-LIMONENE (CAS 5989-27-5)	TWA	28 mg/m ³ 5 ppm
ETHANOL (CAS 64-17-5)	TWA	380 mg/m ³ 200 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
D-LIMONENE (CAS 5989-27-5)	AGW	28 mg/m ³ 5 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value
ETHANOL (CAS 64-17-5)	AGW	380 mg/m ³ 200 ppm

Italy. Occupational Exposure Limits

Components	Type	Value
ETHANOL (CAS 64-17-5)	STEL	1000 ppm

Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817

Components	Type	Value
ETHANOL (CAS 64-17-5)	TWA	1900 mg/m ³

Spain. Occupational Exposure Limits

Components	Type	Value
D-LIMONENE (CAS 5989-27-5)	TWA	168 mg/m ³ 30 ppm
ETHANOL (CAS 64-17-5)	STEL	1910 mg/m ³ 1000 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Applicable for industrial settings only. Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

- Other Applicable for industrial settings only. Wear suitable protective clothing.

Respiratory protection Applicable for industrial settings only. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Environmental exposure controls Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance**

Physical state Liquid.

Color Pale green.

Odor Characteristic.

Odor threshold Not available.

pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 95 °F (> 35 °C)
Flash point	66,2 °F (19,0 °C) Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2. Other information	
Density	0,852 - 0,86 g/cm ³

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

11.1. Information on toxicological effects

Acute toxicity

Product	Species	Test Results
GLORIA VANDERBILT JARDIN À NEW YORK EAU DE PARFUM		
Acute		
Inhalation		
<i>Vapor</i>		
ATEmix		1210 mg/l

Components	Species	Test Results
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE (CAS 144020-22-4)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg OECD 402
Oral		
LD50	Rat	> 5000 mg/kg OECD 401
BENZYL SALICYLATE (CAS 118-58-1)		
Acute		
Dermal		
LD50	Rabbit	14150 mg/kg bw
Oral		
LD50	Rat	2227 mg/kg bw
CIS-3-HEXENYL SALICYLATE (CAS 65405-77-8)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg bw EU B.3
Oral		
LD50	Rat	3031 mg/kg bw EU B.1
CITRONELLOL (CAS 106-22-9)		
Acute		
Dermal		
LD50	Rabbit	2650 mg/kg
Oral		
LD50	Rat	3450 mg/kg
D-LIMONENE (CAS 5989-27-5)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg OECD 402
Oral		
LD50	Rat	4400 mg/kg
ETHANOL (CAS 64-17-5)		
Acute		
Dermal		
LD50	Rabbit	> 20000 mg/kg
Inhalation		
<i>Vapor</i>		
LC50	Rat	124,7 mg/l, 4 h OECD 403
Oral		
LD50	Rat	10470 mg/kg OECD 401
HYDROXYCITRONELLAL (CAS 107-75-5)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Inhalation		
LC0	Rat	825 mg/l, 8 h
Oral		
LD50	Rat	> 6400 mg/kg OECD 401
LINALOOL (CAS 78-70-6)		
Acute		
Dermal		
LD50	Rabbit	5610 mg/kg bw OECD 402

Components	Species	Test Results
Inhalation		
<i>Vapor</i>		
LC50	Mouse	> 3,2 mg/l, 3 h
Oral		
LD50	Rat	2790 mg/kg OECD 401
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES		
Acute		
Dermal		
LD50	Rat	> 5000 mg/kg OECD 402
Oral		
LD50	Rat	> 5000 mg/kg OECD 401
Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible. No adverse effects due to skin contact are expected.	
Irritation Corrosion - Skin		
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE	EU B,4	Result: Slightly Irritating Species: Rabbit
CITRONELLOL	OECD 404	Result: Irritating Species: Rabbit
BENZYL SALICYLATE	OECD 404	Result: Not Irritating Species: Rabbit
ETHANOL	OECD 404	Result: Not Irritating Species: Rabbit
HYDROXYCITRONELLAL	OECD 404	Result: Not Irritating Species: Rabbit
D-LIMONENE	OECD 404	Result: Slightly Irritating Species: Rabbit
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	OECD 439	Result: Irritating Species: In vitro
Serious eye damage/eye irritation	Causes serious eye irritation.	
Irritation Corrosion - Eye		
HYDROXYCITRONELLAL	Draize Test	Result: Irritating Species: Rabbit
BENZYL SALICYLATE	Draize	Result: Irritating Species: Rabbit
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE	EU B,5	Result: Not Irritating Species: Rabbit
CIS-3-HEXENYL SALICYLATE	EU B,5	Result: Not Irritating Species: Rabbit
CITRONELLOL	OECD 405	Result: Irritating Species: Rabbit
ETHANOL	OECD 405	Result: Irritating Species: Rabbit
LINALOOL	OECD 405	Result: Irritating Species: Rabbit
D-LIMONENE	OECD 405	Result: Not Irritating Species: Rabbit
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES		Result: Not Irritating
Respiratory sensitization	Due to partial or complete lack of data the classification is not possible.	

Skin sensitization Due to partial or complete lack of data the classification is not possible.

Sensitization

HYDROXYCITRONELLAL	OECD 429 Result: Sensitizing Species: Mouse
Skin sensitization ETHANOL	OECD 406 Result: Not Sensitizing Species: Guinea pig
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1- YL METHYL KETONE	OECD 429 Result: Sensitizing Species: Mouse
BENZYL SALICYLATE	OECD 429 Result: Sensitizing Species: Mouse
CITRONELLOL	OECD 429 Result: Sensitizing Species: Mouse
LINALOOL	OECD 429 Result: Sensitizing Species: Mouse
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	OECD 429 Result: Sensitizing Species: Mouse
D-LIMONENE	OECD 429, EC3: 22% Result: Sensitizing Species: Mouse

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Mutagenicity

CIS-3-HEXENYL SALICYLATE	Result: In vitro and in vivo tests did not show mutagenic effects
CITRONELLOL	Result: In vitro and in vivo tests did not show mutagenic effects
BENZYL SALICYLATE	Result: In vitro and in vivo tests did not show mutagenic effects.
D-LIMONENE	Result: In vitro and in vivo tests did not show mutagenic effects.
ETHANOL	Result: In vitro and in vivo tests did not show mutagenic effects.
HYDROXYCITRONELLAL	Result: In vitro and in vivo tests did not show mutagenic effects.
LINALOOL	Result: In vitro and in vivo tests did not show mutagenic effects.
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	Result: In vitro and in vivo tests did not show mutagenic effects.
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1- YL METHYL KETONE	Result: In vitro tests did not show mutagenic effects

Carcinogenicity Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

IARC Monographs. Overall Evaluation of Carcinogenicity

D-LIMONENE (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Due to partial or complete lack of data the classification is not possible.

Developmental effects

ETHANOL	> 20000 ppm OECD 414, No effects on development Result: NOAEL Species: Rat
CITRONELLOL	>= 750 mg/kg bw/d OECD 414 Result: NOAEL Species: Rat
CIS-3-HEXENYL SALICYLATE	360 mg/kg bw/d OECD 414 Result: NOEL Species: Rat
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	480 mg/kg bw/d OECD 414, No effects on development Result: NOAEL Species: Rat

Developmental effects	
D-LIMONENE	591 mg/kg bw/d Result: NOAEL Species: Rat
Reproductivity	
CIS-3-HEXENYL SALICYLATE	180 mg/kg bw/d OECD 415 Result: NOAEL Species: Rat
ETHANOL	20700 mg/kg bw/d OECD 416, No effects on fertility Result: NOAEL Species: Rat
CITRONELLOL	300 mg/kg bw/d OECD 421, Based on test data for structurally similar materials. Result: NOAEL Species: Rat
LINALOOL	365 mg/kg bw/d OECD 421, No effects on fertility Result: NOAEL Species: Rat
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
CITRONELLOL	1000 mg/kg bw/d Result: NOAEL Species: Mouse Test Duration: 13 weeks
LINALOOL	117 mg/kg bw/d OECD 407, Oral Result: NOAEL Species: Rat Test Duration: 28 d
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE	150 mg/kg bw/d EU B,7 Result: NOAEL Species: Rat Test Duration: 28 d
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	150 mg/kg bw/d OECD 407, Oral Result: NOAEL Species: Rat Test Duration: 28 d
D-LIMONENE	1650 mg/kg bw/d OECD 407 Result: NOAEL Species: Rat Test Duration: 16 d
ETHANOL	1730 mg/kg bw/d OECD 408, Oral Result: NOAEL Species: Rat
LINALOOL	250 mg/kg bw/d OECD 411, Dermal Result: NOAEL Species: Rat Test Duration: 90 d
HYDROXYCITRONELLAL	250 mg/kg bw/d, Oral Result: NOAEL Species: Rat Test Duration: 24 mo
CIS-3-HEXENYL SALICYLATE	360 mg/kg bw/d OECD 408 Result: NOEL Species: Rat Test Duration: 90 d
CITRONELLOL	63 mg/m3 OECD 412, Inhalation Result: NOAEC Species: Rabbit Test Duration: 2 weeks
HYDROXYCITRONELLAL	70 mg/m3 air OECD 412 Result: NOAEL Species: Rat Test Duration: 14 d
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
Mixture versus substance information	No information available.
Other information	The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components		Species	Test Results
2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE (CAS 144020-22-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	3,6 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1,82 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss	0,63 mg/l, 96 h OECD 203
Other	NOEC	Activated sludge of a predominantly domestic sewage	10 mg/l, 3 h OECD 209
BENZYL SALICYLATE (CAS 118-58-1)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	1,29 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1,16 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	1,03 mg/l, 96 h EU C.1
CIS-3-HEXENYL SALICYLATE (CAS 65405-77-8)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	0,61 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	2,7 mg/l, 48 h OECD 202
Fish	LC50	Danio rerio	1,13 mg/l, 96 h
<i>Chronic</i>			
Algae	NOEC	Desmodesmus subspicatus	0,15 mg/l, 72 h OECD 201
CITRONELLOL (CAS 106-22-9)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	2,4 mg/l, 72 h
Crustacea	EC50	Daphnia magna	17,48 mg/l, 48 h
Fish	LC50	Leuciscus idus	14,66 mg/l, 96 h DIN 38412, 15
Other	EC50	Pseudomonas putida	> 10000 mg/l, 30 min DIN 38412, 27
D-LIMONENE (CAS 5989-27-5)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	0,25 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	0,421 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas	0,702 mg/l, 96 h OECD 203
Other	EC50	Activated sludge of a predominantly domestic sewage	3,94 mg/l, 3 h OECD 209
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	0,08 mg/l, 21 d OECD 211
Fish	NOEC	Pimephales promelas	0,37 mg/l, 8 d OECD 212
ETHANOL (CAS 64-17-5)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	22200 mg/l, 96 h
Crustacea	EC50	Ceriodaphnia dubia	5012 mg/l, 48 h
Fish	LC50	Pimephales promelas	15300 mg/l, 96 h
Other	IC50	Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 3 h
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	9,6 mg/l, 9 d

Components		Species	Test Results
Fish	NOEC	Danio rerio	250 mg/l, 120 h OECD 212
HYDROXYCITRONELLAL (CAS 107-75-5)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	123,32 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	410 mg/l, 48 h EU C.2
Fish	LC50	Leuciscus idus	31,6 mg/l, 96 h DIN 38412, 15
Other	EC20	Activated sludge of a predominantly domestic sewage	> 1000 mg/l, 30 min OECD 209
LINALOOL (CAS 78-70-6)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Green algae (Scenedesmus acutus)	88,3 mg/l, 96 h
Crustacea	EC50	Daphnia magna	59 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss	27,8 mg/l, 96 h
Other	EC50	Activated sludge of a predominantly domestic sewage	> 100 mg/l, 3 h
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES			
Aquatic			
<i>Acute</i>			
Algae	EC50	Desmodesmus subspicatus	> 2,6 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	1,38 mg/l, 48 h OECD 202
Fish	LC50	Lepomis macrochirus	1,3 mg/l, 96 h OECD 203
Other	NOEC	Activated sludge of a predominantly domestic sewage	> 100 mg/l, 42 h OECD 301 F
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	0,448 mg/l, 21 d OECD 211
Fish	NOEC	Danio rerio	0,3 mg/l, 30 d OECD 210

12.2. Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE	0 - 2,6 % OECD 310 Result: Not Readily Biodegradable
BENZYL SALICYLATE	93 % OECD 301 F Result: Readily Biodegradable Test Duration: 28 d
CIS-3-HEXENYL SALICYLATE	89 % OECD 301 F Result: Readily Biodegradable Test Duration: 28 d
CITRONELLOL	80 - 90 % OECD 301 F Result: Readily Biodegradable Test Duration: 28 d
ETHANOL	84 % Result: Readily Biodegradable Test Duration: 20 d
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	0 % OECD 301 C Result: Not Readily Biodegradable
Percent degradation (Aerobic biodegradation-inherent)	
HYDROXYCITRONELLAL	80 - 90 % OECD 301 F Result: Readily Biodegradable Test Duration: 28 d
Percent degradation (Aerobic biodegradation-soil)	
LINALOOL	64,2 % OECD 301D Result: Readily Biodegradable

12.3. Bioaccumulative potential

Partition coefficient

n-octanol/water (log Kow)

2,5,10-TRIMETHYL-2,5,9-CYCLODODECATRIEN-1-YL METHYL KETONE	5,3 - 5,8 OECD 117
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BENZYL SALICYLATE	4 OECD 117
CIS-3-HEXENYL SALICYLATE	4,8 OECD 117
CITRONELLOL	3,41 EU A,8
D-LIMONENE	4,28 OECD 117
ETHANOL	-0,31
HYDROXYCITRONELLAL	1,68 OECD 107
LINALOOL	2,97
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	5,65 OECD 117

Bioconcentration factor (BCF)

TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	603 OECD 305
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12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Not a PBT or vPvB substance or mixture.
12.6. Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
12.7. Additional information	The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

FINISHED GOODS

14.1. UN number	UN1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS, Limited Quantity
14.3. Transport hazard class(es)	
Class	3
Label(s)	Limited Quantity
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	II
14.5. Environmental hazards	No
14.6. Special precautions for user	Not available.
LTD QTY Net Inner Capacity	5.0 L

BULK

14.1. UN number	UN1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS
14.3. Transport hazard class(es)	
Class	3
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not available.

IATA**FINISHED GOODS**

14.1. UN number	ID8000
14.2. UN proper shipping name	CONSUMER COMMODITY
14.3. Transport hazard class(es)	
Class	9
14.4. Packing group	Not applicable.
14.5. Environmental hazards	No.
ERG Code	9L
14.6. Special precautions for user	Not available.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

BULK

14.1. UN number	UN1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS
14.3. Transport hazard class(es)	
Class	3
14.4. Packing group	II
14.5. Environmental hazards	No.
ERG Code	3L
14.6. Special precautions for user	Not available.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG**FINISHED GOODS**

14.1. UN number	UN1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS, Limited Quantity
14.3. Transport hazard class(es)	
Class	3
Label(s)	Limited Quantity
14.4. Packing group	II
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-D
14.6. Special precautions for user	Not available.
LTD QTY Net Inner Capacity	5.0 L

BULK

14.1. UN number	UN1266
14.2. UN proper shipping name	PERFUMERY PRODUCTS
14.3. Transport hazard class(es)	
Class	3
14.4. Packing group	II
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-D
14.6. Special precautions for user	Not available.
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not established.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

D-LIMONENE (CAS 5989-27-5)

ETHANOL (CAS 64-17-5)

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Revision information

None.

Training information

Follow training instructions when handling this material.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.