

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 12 Dec 2022

Print date: 17 Jul 2023

Version: 1



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Duftgranulat Fantastic

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

1.1. Product identifier

Trade name/designation:

Duftgranulat Fantastic

Article No.:

312

UFI:

7YKN-8S1U-P4GC-1QJ6

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

Use of the substance/mixture:

Duftgranulat

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Otto Oehme GmbH

FEA

Industriestr. 20

90584 Allersberg

Germany

Telephone: 09176/98050

Telefax: 09176/980555

E-mail: Info@Oehme-Lorito.de

Website: www.Oehme-Lorito.de

1.4. Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS07

Exclamation mark

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Signal word: Warning

Hazard statements for health hazards

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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Supplemental hazard information

EUH208	Contains citral, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde, 1-(2,2,6-TRIMETHYL-1-CYCLOHEXENYL)-1-PENTEN-3-ON, ALLYL-CYCLOHEXYLPROPIONAT, (R)-p-mentha-1,8-diene. May produce an allergic reaction.
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Precautionary statements Prevention

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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Precautionary statements 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 lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.







2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 101-86-0 EC No.: 202-983-3 REACH No.: 01-2119533092-50-XXXX	alpha HEXYLZIMALDEHYD Aquatic Acute 1 (H400), Aquatic Chronic 2 (H411), Skin Sens. 1B (H317)   Warning	2 - < 5 weight-%
CAS No.: 32210-23-4 EC No.: 250-954-9	4-tert-butylcyclohexyl acetate Skin Sens. 1B (H317)  Warning	2 - ≤ 4 weight-%
CAS No.: 140-11-4 EC No.: 205-399-7 REACH No.: 01-2119638272-42	benzyl acetate Aquatic Chronic 3 (H412)	2 - < 4 weight-%
CAS No.: 104-67-6 EC No.: 203-225-4 REACH No.: 01-2119959333-34	undecan-4-olide Aquatic Chronic 3 (H412)	2 - ≤ 4 weight-%
CAS No.: 8000-41-7 EC No.: 232-282-8 REACH No.: 01-2119553062-49-XXXX	TERPINEOL Eye Irrit. 2 (H319), Skin Irrit. 2 (H315)  Warning	2 - < 3.5 weight-%
CAS No.: 60-12-8 EC No.: 200-456-2 REACH No.: 01-2119963921-31	PHENYLETHYLALCOHOL Acute Tox. 4 (H302), Eye Irrit. 2 (H319)  Warning	2 - < 3.5 weight-%
CAS No.: 88-41-5 EC No.: 201-828-7 REACH No.: 01-2119970713-33-XXXX	2-tert-butylcyclohexyl acetate Aquatic Chronic 2 (H411) 	2 - < 3.5 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 8013-90-9 EC No.: 232-396-8	4-(2,6,6-TRIMETHYL-1-CYCLOHEXENE-1-YL)-3-BUTEN-2-ON Aquatic Chronic 2 (H411) 	2 - < 3.5 weight-%
CAS No.: 14901-07-6 EC No.: 238-969-9 REACH No.: 01-2119449921-34-0000	4-(2,6,6-TRIMETHYL-1-CYCOHEXENYL)-3-BUTEN-2-ON Aquatic Chronic 2 (H411) 	2 - < 3.5 weight-%
CAS No.: 101-84-8 EC No.: 202-981-2 REACH No.: 01-2119472545-33-XXXX	1,1'-Oxydibenzene Aquatic Acute 1 (H400), Aquatic Chronic 3 (H412), Eye Irrit. 2 (H319), Lact. (H362) Warning	2 - < 3.5 weight-%
CAS No.: 150-84-5 EC No.: 205-775-0 REACH No.: 01-2119959860-27-XXXX	citronellyl acetate Aquatic Chronic 2 (H411), Skin Irrit. 2 (H315) Warning	2 - < 3.5 weight-%
CAS No.: 78-70-6 EC No.: 201-134-4 REACH No.: 01-2119474016-42-XXXX	3,7-Dimethyl octa-1,6-diene-3-ol Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Warning	1 - ≤ 3.5 weight-%
CAS No.: 106-24-1 EC No.: 203-377-1 REACH No.: 01-2119552430-49-XXXX	geraniol Eye Dam. 1 (H318), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Danger	1 - ≤ 2 weight-%
CAS No.: 106-22-9 EC No.: 203-375-0 REACH No.: 01-2119453995-23-XXXX	citronellol Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning	0 - ≤ 2 weight-%
CAS No.: 5989-27-5 EC No.: 227-813-5	(R)-p-mentha-1,8-diene Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Asp. Tox. 1 (H304), Flam. Liq. 3 (H226), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Danger	0 - < 1 weight-%
CAS No.: 2705-87-5 EC No.: 220-292-5 REACH No.: 01-2119976355-27-XXXX	ALLYLCYCLOHEXYLPROPIONAT Acute Tox. 4 (H302, H312, H332), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Skin Sens. 1 (H317) Warning	0 - < 0.5 weight-%
CAS No.: 68039-49-6 EC No.: 268-264-1 REACH No.: 01-2119982384-28	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde Aquatic Chronic 2 (H411), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Warning	0 - < 0.5 weight-%
CAS No.: 3100-36-5 EC No.: 401-700-2 REACH No.: 01-0000015154-78	Reaktionsprodukt aus Cis-und Trans-cyclohexadec-8-en-1-on Aquatic Chronic 1 (H410) Warning	0 - < 0.5 weight-%
CAS No.: 54464-57-2 EC No.: 259-174-3 REACH No.: 01-2119489989-04-XXXX	1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one Aquatic Chronic 1 (H410), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Warning	0 - < 0.5 weight-%
CAS No.: 127-43-5 EC No.: 204-843-7	1-(2,2,6-TRIMETHYL-1-CYCLOHEXENYL)-1-PENTEN-3-ON Aquatic Chronic 2 (H411), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Warning	0 - < 0.5 weight-%
CAS No.: 5392-40-5 EC No.: 226-394-6 REACH No.: 01-2119462829-23-XXXX	citral Eye Irrit. 2 (H319), Skin Irrit. 2 (H315), Skin Sens. 1B (H317) Warning	0 - ≤ 0.5 weight-%

Full text of H- and EUH-phrases: see section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Remove victim out of the danger area. Remove contaminated, saturated clothing.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

If skin irritation or rash occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed

Serious eye damage/eye irritation Skin corrosion/irritation Allergic reactions

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Adjust to the environment

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire hazardous combustion gases or vapors possible

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Avoid dust formation.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

For cleaning up:

Water (with cleaning agent)

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 13 - Non-combustible solids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
HR from 12 Oct 2018	1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2	① 1 ppm (7 mg/m ³) ② 2 ppm (14 mg/m ³)
IOELV (EU) from 21 Feb 2017	1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2	① 1 ppm (7 mg/m ³) ② 2 ppm (14 mg/m ³)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

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8.2.2. Personal protection equipment

Eye/face protection:

If there is a risk of eye contact. Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

Usually no personal respirative protection necessary. Particle filter device (EN 143)

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: white

Odour: scented

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Avoid high temperatures or direct sunlight.

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

4-tert-butylcyclohexyl acetate CAS No.: 32210-23-4 EC No.: 250-954-9

LD₅₀ oral: 3,770 mg/kg (Ratte) OECD 401

LD₅₀ dermal: 4,680 mg/kg (Kaninchen)

TERPINEOL CAS No.: 8000-41-7 EC No.: 232-282-8

LD₅₀ oral: 4,300 mg/kg (Ratte) OECD 401

LD₅₀ dermal: 2,000 mg/kg (Ratte) OECD 402

PHENYLETHYLALKOHOL CAS No.: 60-12-8 EC No.: 200-456-2

LD₅₀ oral: $\geq 1,580 - \leq 2,020$ mg/kg (rat) refer to article

LD₅₀ dermal: 2,535 mg/kg (rabbit) OECD Guideline 402 (Acute Dermal Toxicity)

2-tert-butylcyclohexyl acetate CAS No.: 88-41-5 EC No.: 201-828-7

LD₅₀ oral: 684 mg/kg (rat)

LD₅₀ dermal: 1,300 mg/kg (rabbit)

LC₅₀ Acute inhalation toxicity (vapour): >26.76 mg/L 7 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

LC₅₀ Acute inhalation toxicity (dust/mist): 2.41 mg/L 4 h (rat)

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benzyl acetate CAS No.: 140-11-4 EC No.: 205-399-7
LD₅₀ oral: 2,490 mg/kg (Ratte)
LD₅₀ dermal: 5,000 mg/kg
4-(2,6,6-TRIMETHYL-1-CYCOHEXENYL)-3-BUTEN-2-ON CAS No.: 14901-07-6 EC No.: 238-969-9
LD₅₀ oral: 562 mg/kg (redwing blackbird) other:
LD₅₀ dermal: >2,000 - 7,000 mg/kg (mouse) other:
LC₅₀ Acute inhalation toxicity (gas): 176.859 ppmV 4 h (rat) estimated data
1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2
LD₅₀ oral: >5,000 mg/kg (rat) OECD Guideline 401 (Acute Oral Toxicity)
undecan-4-olide CAS No.: 104-67-6 EC No.: 203-225-4
LD₅₀ oral: >2,000 mg/kg (rat)
citronellyl acetate CAS No.: 150-84-5 EC No.: 205-775-0
LD₅₀ oral: 6,800 mg/kg (rat)
LD₅₀ dermal: >2,000 mg/kg (rabbit)
geraniol CAS No.: 106-24-1 EC No.: 203-377-1
LD₅₀ oral: 3,600 mg/kg (rat)
LD₅₀ dermal: >5,000 mg/kg (rabbit)
citronellol CAS No.: 106-22-9 EC No.: 203-375-0
LD₅₀ oral: 3,450 mg/kg (Ratte)
LD₅₀ dermal: 2,650 mg/kg (Kaninchen)
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5
LD₅₀ oral: 2,000 mg/kg (Ratte) OECD 423
LD₅₀ dermal: 5,000 mg/kg (Kaninchen)
ALLYLCYCLOHEXYLPROPIONAT CAS No.: 2705-87-5 EC No.: 220-292-5
LD₅₀ oral: 380 mg/kg (guinea pig) OECD Guideline 401 (Acute Oral Toxicity)
LD₅₀ dermal: 1,600 mg/kg (rabbit) OECD Guideline 402 (Acute Dermal Toxicity)
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde CAS No.: 68039-49-6 EC No.: 268-264-1
LD₅₀ oral: >2,000 mg/kg (rat)
LD₅₀ dermal: >2,000 mg/kg (rat)
LC₅₀ Acute inhalation toxicity (vapour): >11.56 mg/L 7 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)
LC₅₀ Acute inhalation toxicity (dust/mist): >2.13 mg/L 4 h (rat)
Reaktionsprodukt aus Cis-und Trans-cyclohexadec-8-en-1-on CAS No.: 3100-36-5 EC No.: 401-700-2
LD₅₀ oral: >1,000 mg/kg (Rat)
citral CAS No.: 5392-40-5 EC No.: 226-394-6
LD₅₀ oral: 1,424 mg/kg (mouse)
LD₅₀ dermal: >2,000 mg/kg (rat)

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains citral, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde, 1-(2,2,6-TRIMETHYL-1-

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CYCLOHEXYL)-1-PENTEN-3-ON, ALLYLCYCLOHEXYLPROPIONAT, (R)-p-mentha-1,8-diene. May produce an allergic reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

4-tert-butylcyclohexyl acetate CAS No.: 32210-23-4 EC No.: 250-954-9
LC₅₀ : 8.6 mg/L 4 d (fish, Cyprinus carpio) EU Method C.1 (Acute Toxicity for Fish)
EC₅₀ : 5.3 mg/L 2 d (crustaceans, Daphnia magna)
EC₅₀ : 22 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test)
NOEC : 6.8 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test)
TERPINEOL CAS No.: 8000-41-7 EC No.: 232-282-8
LC₅₀ : 70 mg/L 4 d (fish, Zebraabärbling) OECD 203
LC₅₀ : 73 mg/L 2 d (crustaceans, Daphnia Magna) OECD 202
LC₅₀ : 68 mg/L 3 d (Algae/water plant, Grünalge) OECD 201
PHENYLETHYLALKOHOL CAS No.: 60-12-8 EC No.: 200-456-2
LC₅₀ : >215 - <464 mg/L 4 d (fish, Leuciscus idus) DIN 38 412
EC₅₀ : 490 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) refer to article
EC₅₀ : 287.17 mg/L 2 d (crustaceans, Daphnia magna) refer to article
NOEC : 100 mg/L 4 d (fish, Leuciscus idus) DIN 38 412

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2-tert-butylcyclohexyl acetate CAS No.: 88-41-5 EC No.: 201-828-7
LC₅₀ : 1,000 mg/L 2 d (crustaceans, Gammarus pulex)
LC₅₀ : 4,555 mg/L 4 d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)
EC₅₀ : 9,170 mg/L 2 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))
EC₅₀ : 313.8 mg/L 4 d (Algae/water plant, Skeletonema costatum)
EC₅₀ : 42.4 mg/L 4 d (crustaceans, Americamysis bahia (previous name: Mysidopsis bahia)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)
EC₅₀ : >100 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test)
EC₅₀ : 69.2 mg/L 2 d (crustaceans, Americamysis bahia (previous name: Mysidopsis bahia)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)
NOEC : 3.13 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test)
NOEC : <0.236 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
NOEC : 1.82 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)
NOEC : 3.19 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
NOEC : 118.4 mg/L 4 d (Algae/water plant, Skeletonema costatum)
NOEC : 1,150 mg/L 2 d (Algae/water plant, Chlorella pyrenoidosa)
LOEC : 4.85 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
LOEC : 6.25 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) EU Method C.3 (Algal Inhibition test)
benzyl acetate CAS No.: 140-11-4 EC No.: 205-399-7
LC₅₀ : 4 mg/L 4 d (fish, Oryzias latipes) ASTM E279-80 (1980)
EC₅₀ : 92 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
EC₅₀ : 17 mg/L 2 d (crustaceans, Daphnia magna)
NOEC : 52 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
NOEC : 0.92 mg/L 28 d (fish, Oryzias latipes)
NOEC : 10 mg/L 2 d (crustaceans, Daphnia magna)
LOEC : 113 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
4-(2,6,6-TRIMETHYL-1-CYCOHEXENYL)-3-BUTEN-2-ON CAS No.: 14901-07-6 EC No.: 238-969-9
LC₅₀ : 2.572 mg/L 4 d (fish, Oryzias latipes) Estimated data
EC₅₀ : 3.223 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) Estimated data
EC₅₀ : 1.641 mg/L 2 d (crustaceans, Daphnia magna) Estimated data

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1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2

LC₅₀: 6 mg/L 2 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

LC₅₀: 4.2 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

EC₅₀: 0.304 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*)) the Notice On the Test Method Concerning New Chemical Substances (Nov 21, 2003, No. 1121002, Pharmaceutical and Food Safety Bureau, MHLW, No.2, Manufacturing Industries Bureau, METI, No. 031121002, Environ Policy Bureau, MOE) -- Equivalent to OECD 201

EC₅₀: 1.96 mg/L 2 d (crustaceans, *Daphnia magna*) the Notice On the Test Method Concerning New Chemical Substances (Nov 21, 2003, No. 1121002, Pharmaceutical and Food Safety Bureau, MHLW, No.2, Manufacturing Industries Bureau, METI, No. 031121002, Environ Policy Bureau, MOE) -- Equivalent to OECD 202

NOEC: 0.188 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*)) the Notice On the Test Method Concerning New Chemical Substances (Nov 21, 2003, No. 1121002, Pharmaceutical and Food Safety Bureau, MHLW, No.2, Manufacturing Industries Bureau, METI, No. 031121002, Environ Policy Bureau, MOE) -- Equivalent to OECD 201

NOEC: 3.2 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

NOEC: 0.76 mg/L 1 d (crustaceans, *Daphnia magna*) the Notice On the Test Method Concerning New Chemical Substances (Nov 21, 2003, No. 1121002, Pharmaceutical and Food Safety Bureau, MHLW, No.2, Manufacturing Industries Bureau, METI, No. 031121002, Environ Policy Bureau, MOE) -- Equivalent to OECD 202

NOEC: 0.76 mg/L 2 d (crustaceans, *Daphnia magna*) the Notice On the Test Method Concerning New Chemical Substances (Nov 21, 2003, No. 1121002, Pharmaceutical and Food Safety Bureau, MHLW, No.2, Manufacturing Industries Bureau, METI, No. 031121002, Environ Policy Bureau, MOE) -- Equivalent to OECD 202

undecan-4-olide CAS No.: 104-67-6 EC No.: 203-225-4

EC₅₀: 8.022 mg/L 2 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*))

EC₅₀: 7.218 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*))

EC₅₀: 4 mg/L 2 d (crustaceans, *Daphnia magna*) EU Method C.2 (Acute Toxicity for *Daphnia*)

NOEC: 3.33 mg/L 2 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*))

NOEC: 0.138 mg/L 21 d (crustaceans, *Daphnia magna*) OECD Guideline 211 (*Daphnia magna* Reproduction Test)

LOEC: 1.83 mg/L 21 d (crustaceans, *Daphnia magna*) OECD Guideline 211 (*Daphnia magna* Reproduction Test)

citronellyl acetate CAS No.: 150-84-5 EC No.: 205-775-0

LC₅₀: 6.1 mg/L 4 d (fish, *Danio rerio* (previous name: *Brachydanio rerio*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC₅₀: >7.2 mg/L 3 d (Algae/water plant, *Desmodesmus subspicatus* (previous name: *Scenedesmus subspicatus*)) OECD Guideline 201 (Alga, Growth Inhibition Test)

EC₅₀: 3.48 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

NOEC: 2.22 mg/L 3 d (Algae/water plant, *Desmodesmus subspicatus* (previous name: *Scenedesmus subspicatus*)) OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC: 2.3 mg/L 4 d (fish, *Danio rerio* (previous name: *Brachydanio rerio*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC: 1.08 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

LOEC: 1.65 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

3,7-Dimethyl octa-1,6-diene-3-ol CAS No.: 78-70-6 EC No.: 201-134-4

LC₅₀: 27.8 mg/L 2 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

LC₅₀: 27.8 mg/L 3 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

LC₅₀: 27.8 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC₅₀: 88.3 mg/L 4 d (Algae/water plant, *Desmodesmus subspicatus* (previous name: *Scenedesmus subspicatus*)) DIN 38412 L 9

EC₅₀: 59 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

NOEC: <3.5 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC: 25 mg/L 2 d (crustaceans, *Daphnia magna*) OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

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geraniol CAS No.: 106-24-1 EC No.: 203-377-1

LC₅₀: 22 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio)) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC₅₀: 13.1 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) OECD Guideline 201 (Alga, Growth Inhibition Test)

EC₅₀: 10.8 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

NOEC: 1 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)) OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC: 10 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio)) OECD Guideline 203 (Fish, Acute Toxicity Test)

citronellol CAS No.: 106-22-9 EC No.: 203-375-0

LC₅₀: 14.66 mg/L 4 d (fish, Leuciscus idus) German standard DIN 38 412, part L15.

EC₅₀: 2.4 mg/L 3 d (Algae/water plant)

EC₅₀: 17.48 mg/L 2 d (crustaceans, Daphnia magna) EU Directive 79/831/EEC, Annex V, part C.

NOEC: 3.1 mg/L 2 d (crustaceans, Daphnia magna) EU Directive 79/831/EEC, Annex V, part C.

NOEC: 4.6 mg/L 4 d (fish, Leuciscus idus) German standard DIN 38 412, part L15.

(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5

LC₅₀: 0.46 mg/L 4 d (fish, Danio rerio, Oncorhynchus mykiss, Lepomis macrochirus, Pimephales promelas, Oryzias latipes, Leuciscus idus)

LC₅₀: 7 mg/L

EC₅₀: 0.25 mg/L 2 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

EC₅₀: 0.214 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

EC₅₀: 0.688 mg/L 4 d (fish, Pimephales promelas) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC₅₀: 0.307 mg/L 2 d (crustaceans, Daphnia magna)

NOEC: 0.09 mg/L 2 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

NOEC: 0.08 mg/L 28 d (fish, fish spp.) OECD Guideline 210 (Fish, Early-Life Stage Toxicity Test)

NOEC: 0.08 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

ErC₅₀: 0.32 mg/L (Algae/water plant)

LOEC: 0.173 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

LOEC: 0.19 mg/L

ALLYLCYCLOHEXYLPROPIONAT CAS No.: 2705-87-5 EC No.: 220-292-5

LC₅₀: 0.13 mg/L 4 d (fish, Pimephales promelas)

EC₅₀: 2.3 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

EC₅₀: 2.1 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

EC₅₀: 3.8 mg/L 2 d (crustaceans, Daphnia magna)

NOEC: 0.74 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

NOEC: 0.86 mg/L 2 d (crustaceans, Daphnia magna)

NOEC: 0.74 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

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2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde CAS No.: 68039-49-6 EC No.: 268-264-1
LC₅₀ : >0.0242 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>))
EC₅₀ : 42.4 mg/L 4 d (crustaceans, <i>Americamysis bahia</i> (previous name: <i>Mysidopsis bahia</i>)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)
EC₅₀ : >100 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)) EU Method C.3 (Algal Inhibition test)
EC₅₀ : >69 mg/L 4 d (Algae/water plant, <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i>))
EC₅₀ : 0.0016 mg/L 2 d (crustaceans, <i>Daphnia magna</i>)
NOEC : 0.000032 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)
NOEC : ≥0.025 mg/L 4 d (Algae/water plant, <i>Scenedesmus subspicatus</i>)
NOEC : 46 mg/L 2 d (crustaceans, <i>Daphnia magna</i>)
NOEC : 3.13 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)) EU Method C.3 (Algal Inhibition test)
NOEC : ≥0.0242 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>))
ErC₅₀ : >0.025 mg/L 4 d (Algae/water plant, <i>Scenedesmus subspicatus</i>)
LOEC : 6.25 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)) EU Method C.3 (Algal Inhibition test)
LOEC : 10 mg/L 2 d (crustaceans, <i>Daphnia magna</i>)
LOEC : 0.0001 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (<i>Daphnia magna</i> Reproduction Test)
LOEC : >0.025 mg/L 4 d (Algae/water plant, <i>Scenedesmus subspicatus</i>)
citral CAS No.: 5392-40-5 EC No.: 226-394-6
LC₅₀ : 6.78 mg/L 4 d (fish, <i>Leuciscus idus</i>) German standard DIN 38412, part L
EC₅₀ : 103.8 mg/L 3 d (Algae/water plant, <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i>)) DIN 38412 L9
EC₅₀ : 6.8 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) Directive 79/831 EWG, C2 annex V
NOEC : 4.6 mg/L 4 d (fish, <i>Leuciscus idus</i>) German standard DIN 38412, part L

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

4-tert-butylcyclohexyl acetate CAS No.: 32210-23-4 EC No.: 250-954-9
Biodegradation: Yes, rapidly
PHENYLETHYLALKOHOL CAS No.: 60-12-8 EC No.: 200-456-2
Biodegradation: Yes, rapidly
2-tert-butylcyclohexyl acetate CAS No.: 88-41-5 EC No.: 201-828-7
Biodegradation: Yes, slowly
geraniol CAS No.: 106-24-1 EC No.: 203-377-1
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

4-tert-butylcyclohexyl acetate CAS No.: 32210-23-4 EC No.: 250-954-9
Log K_{OW} : 4.8
PHENYLETHYLALKOHOL CAS No.: 60-12-8 EC No.: 200-456-2
Log K_{OW} : 1.3
2-tert-butylcyclohexyl acetate CAS No.: 88-41-5 EC No.: 201-828-7
Log K_{OW} : 2.39
Bioconcentration factor (BCF): 156
benzyl acetate CAS No.: 140-11-4 EC No.: 205-399-7
Log K_{OW} : 1.96
Bioconcentration factor (BCF): 8 Species: other: Please see below

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4-(2,6,6-TRIMETHYL-1-CYCOHEXENYL)-3-BUTEN-2-ON CAS No.: 14901-07-6 EC No.: 238-969-9
Log K_{OW} : 1.903
Bioconcentration factor (BCF) : 315 Species: no data
1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2
Log K_{OW} : 4.21
undecan-4-olide CAS No.: 104-67-6 EC No.: 203-225-4
Log K_{OW} : 3.6
citronellyl acetate CAS No.: 150-84-5 EC No.: 205-775-0
Log K_{OW} : 4.9
3,7-Dimethyl octa-1,6-diene-3-ol CAS No.: 78-70-6 EC No.: 201-134-4
Log K_{OW} : 2.9
geraniol CAS No.: 106-24-1 EC No.: 203-377-1
Log K_{OW} : 2.6
citronellol CAS No.: 106-22-9 EC No.: 203-375-0
Log K_{OW} : 3.55
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5
Log K_{OW} : 4.5
Bioconcentration factor (BCF) : 32
ALLYLCYCLOHEXYLPROPIONAT CAS No.: 2705-87-5 EC No.: 220-292-5
Log K_{OW} : 4.28
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde CAS No.: 68039-49-6 EC No.: 268-264-1
Log K_{OW} : 4.9
Bioconcentration factor (BCF) : 1,033 Species: Lepomis macrochirus
citral CAS No.: 5392-40-5 EC No.: 226-394-6
Log K_{OW} : 2.9
Bioconcentration factor (BCF) : 89.72

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

alpha HEXYLZIMTALDEHYD CAS No.: 101-86-0 EC No.: 202-983-3
Results of PBT and vPvB assessment: —
4-tert-butylcyclohexyl acetate CAS No.: 32210-23-4 EC No.: 250-954-9
Results of PBT and vPvB assessment: —
TERPINEOL CAS No.: 8000-41-7 EC No.: 232-282-8
Results of PBT and vPvB assessment: —
PHENYLETHYLALKOHOL CAS No.: 60-12-8 EC No.: 200-456-2
Results of PBT and vPvB assessment: —
2-tert-butylcyclohexyl acetate CAS No.: 88-41-5 EC No.: 201-828-7
Results of PBT and vPvB assessment: —
4-(2,6,6-TRIMETHYL-1-CYCLOHEXENE-1-YL)-3-BUTEN-2-ON CAS No.: 8013-90-9 EC No.: 232-396-8
Results of PBT and vPvB assessment: —
benzyl acetate CAS No.: 140-11-4 EC No.: 205-399-7
Results of PBT and vPvB assessment: —
4-(2,6,6-TRIMETHYL-1-CYCOHEXENYL)-3-BUTEN-2-ON CAS No.: 14901-07-6 EC No.: 238-969-9
Results of PBT and vPvB assessment: —
1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2
Results of PBT and vPvB assessment: —
undecan-4-olide CAS No.: 104-67-6 EC No.: 203-225-4
Results of PBT and vPvB assessment: —

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citronellyl acetate CAS No.: 150-84-5 EC No.: 205-775-0

Results of PBT and vPvB assessment: —

3,7-Dimethyl octa-1,6-diene-3-ol CAS No.: 78-70-6 EC No.: 201-134-4

Results of PBT and vPvB assessment: —

geraniol CAS No.: 106-24-1 EC No.: 203-377-1

Results of PBT and vPvB assessment: —

citronellol CAS No.: 106-22-9 EC No.: 203-375-0

Results of PBT and vPvB assessment: —

(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5

Results of PBT and vPvB assessment: —

ALLYLCYCLOHEXYLPROPIONAT CAS No.: 2705-87-5 EC No.: 220-292-5

Results of PBT and vPvB assessment: —

2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde CAS No.: 68039-49-6 EC No.: 268-264-1

Results of PBT and vPvB assessment: —

Reaktionsprodukt aus Cis-und Trans-cyclohexadec-8-en-1-on CAS No.: 3100-36-5 EC No.: 401-700-2

Results of PBT and vPvB assessment: —

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one CAS No.: 54464-57-2
EC No.: 259-174-3

Results of PBT and vPvB assessment: —

1-(2,2,6-TRIMETHYL-1-CYCLOHEXYNYL)-1-PENTEN-3-ON CAS No.: 127-43-5 EC No.: 204-843-7

Results of PBT and vPvB assessment: —

citral CAS No.: 5392-40-5 EC No.: 226-394-6

Results of PBT and vPvB assessment: —

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

16 03 05 *	organic wastes containing hazardous substances
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*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

Ingredients according to the Detergents Regulation 648/2004/EG:
Fragrances

15.1.2. National regulations

No data available

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

Substance name	Type	source of supply
PHENYLETHYLALKOHOL CAS No.: 60-12-8 EC No.: 200-456-2	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
2-tert-butylcyclohexyl acetate CAS No.: 88-41-5 EC No.: 201-828-7	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ Acute inhalation toxicity (vapour); LC ₅₀ Acute inhalation toxicity (dust/mist); LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
4-(2,6,6-TRIMETHYL-1-CYCOHEXENYL)-3-BUTEN-2-ON CAS No.: 14901-07-6 EC No.: 238-969-9	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ Acute inhalation toxicity (gas); LC ₅₀ ; EC ₅₀	Source: European Chemicals Agency, http://echa.europa.eu/
1,1'-Oxydibenzene CAS No.: 101-84-8 EC No.: 202-981-2	LD ₅₀ oral; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
undecan-4-olide CAS No.: 104-67-6 EC No.: 203-225-4	LD ₅₀ oral; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
citronellyl acetate CAS No.: 150-84-5 EC No.: 205-775-0	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
geraniol CAS No.: 106-24-1 EC No.: 203-377-1	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/

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Substance name	Type	source of supply
ALLYLCYCLOHEXYLPROPIONAT CAS No.: 2705-87-5 EC No.: 220-292-5	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde CAS No.: 68039-49-6 EC No.: 268-264-1	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ Acute inhalation toxicity (vapour); LC ₅₀ Acute inhalation toxicity (dust/mist); LC ₅₀ ; EC ₅₀ ; NOEC; ErC ₅₀ ; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
citral CAS No.: 5392-40-5 EC No.: 226-394-6	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
4-tert-butylcyclohexyl acetate CAS No.: 32210-23-4 EC No.: 250-954-9	LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
benzyl acetate CAS No.: 140-11-4 EC No.: 205-399-7	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
3,7-Dimethyl octa-1,6-diene-3-ol CAS No.: 78-70-6 EC No.: 201-134-4	LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
citronellol CAS No.: 106-22-9 EC No.: 203-375-0	LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
(R)-p-mentha-1,8-diene CAS No.: 5989-27-5 EC No.: 227-813-5	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H362	May cause harm to breast-fed children.
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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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16.6. Training advice

No data available

16.7. Additional information

The information is based on our current level of knowledge and is used to describe the product with regard to the safety precautions to be taken. They do not represent a guarantee of the properties of the product described.

It is the responsibility of the recipient of our product to observe existing laws and regulations.