

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 3/4/2025 Version: 1.0

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

1.1. Product identifier

Product form : Substance (UVCB) Substance name : Labdanum absolute

IUPAC name Absolute of Cistus ladaniferus (Cistaceae) obtained from labdanum concrete by ethanol

extraction

EC-No. : 947-313-7

REACH registration No. : 01-2120762417-50

Product code : 22424 Product group : Trade product

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

Relevant identified uses

Intended for general public

Main use category : Professional use, Consumer use Use of the substance/mixture : Fragrance raw material

1.3. Details of the supplier of the safety data sheet

De Hekserij Spoorstraat 57 8271 RG IJsselmuiden Nederland T+31 383 557 927 www.hekserij.nl

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315 Serious eye damage/eye irritation, Category 2 H319

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of soap and 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.

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P332+P313 - If skin irritation 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.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name : Labdanum absolute

EC-No. : 947-313-7

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labdanum absolute	EC-No.: 947-313-7 REACH-no: 01-2120762417- 50	100	See Section 2.1
Eugenol	CAS-No.: 97-53-0 EC-No.: 202-589-1 REACH-no: 01-2119971802- 33	0.01	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Geraniol	CAS-No.: 106-24-1 EC-No.: 203-377-1 REACH-no: 01-2119552430- 49	0.01	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Benzyl benzoate	CAS-No.: 120-51-4 EC-No.: 204-402-9 EC Index-No.: 607-085-00-9	0.01	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Carvone	CAS-No.: 99-49-0 EC-No.: 218-827-2 EC Index-No.: 606-148-00-8	0.009	Skin Sens. 1, H317
Benzyl alcohol	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-	0.007	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317
Benzaldehyde	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5 REACH-no: 01-2119455540-	0.004	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 2, H411
Perillaldehyde	CAS-No.: 2111-75-3 EC-No.: 218-302-8	0.004	Skin Sens. 1B, H317
Dihydrocoumarin	CAS-No.: 119-84-6 EC-No.: 204-354-9	0.004	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Cuminaldehyde	CAS-No.: 122-03-2 EC-No.: 204-516-9	0.002	Acute Tox. 4 (Oral), H302

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methyl eugenol	CAS-No.: 93-15-2 EC-No.: 202-223-0	0.002	Acute Tox. 4 (Oral), H302 Muta. 2, H341 Carc. 2, H351
Phenylacetaldehyde	CAS-No.: 122-78-1 EC-No.: 204-574-5	0.002	Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Thujone	CAS-No.: 1125-12-8 EC-No.: 214-405-7	0.001	Acute Tox. 4 (Oral), H302
2-Furaldehyde	CAS-No.: 98-01-1 EC-No.: 202-627-7	0.001	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation:vapour), H330 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get

medical advice/attention.

First-aid measures 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.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

First-aid measures for first aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

Symptoms/effects after ingestion : None under normal conditions.

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 : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard. Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection.

Protection during firefighting Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.

Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. **Emergency procedures**

: Ventilate spillage area. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to

prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear

personal protective equipment.

Hygiene measures Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this

product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, well-ventilated place away from heat. Technical measures

Storage conditions Keep cool. Protect from sunlight.

Packaging materials Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):







Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour dark orange. Odour Not available Odour threshold Not available Melting point < 5 °C Freezing point Not available Boiling point Not available Flammability Non flammable. Lower explosion limit Not available Upper explosion limit Not available · 70 °C Flash point Auto-ignition temperature : Not available Decomposition temperature Not available : Not available рΗ Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50°C : Not available Density : Not available Relative density : 1.0233 Temp.: 20 °C Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Acute toxicity (inhalation) :	Not classified	
Labdanum absolute		
LD50 oral rat	> 2000 mg/kg	
Eugenol (97-53-0)		
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)	
LD50 oral	1500 – 1500 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)	
Geraniol (106-24-1)		
LD50 oral rat	3600 mg/kg bodyweight Animal: rat, 95% CL: 2840 - 4570	
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit	
Benzyl benzoate (120-51-4)		
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
Benzyl alcohol (100-51-6)		
LD50 oral rat	1620 mg/kg Species: rat	
LD50 oral	1580 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1410 - 1770	

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Benzyl alcohol (100-51-6)	
LD50 dermal rabbit	> 2000 malka hoduwajaht Animal: rahbit Guidalina: EDA OTS 700 4400 (Acuta Darrell
LD50 dermai raddit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 4.178 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Benzaldehyde (100-52-7)	
LD50 oral rat	≈ 1430 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1,33 - 1,54
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit
LC50 Inhalation - Rat	1 – 5 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)
Dihydrocoumarin (119-84-6)	
LD50 oral	1460 mg/kg
Cuminaldehyde (122-03-2)	
LD50 oral rat	1390 mg/kg bodyweight Animal: rat
Methyl eugenol (93-15-2)	
LD50 oral rat	2500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
2-Furaldehyde (98-01-1)	
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	0.54 – 1.63 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)
Phenylacetaldehyde (122-78-1)	
LD50 oral rat	1550 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Geraniol (106-24-1)	
NOAEL (chronic, oral, animal/male, 2 years)	60 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
Reproductive toxicity	: Not classified
Phenylacetaldehyde (122-78-1)	
LOAEL (animal/female, F0/P)	400 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/male, F0/P)	400 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	100 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

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STOT-single exposure :	Not classified	
Benzaldehyde (100-52-7)		
STOT-single exposure	May cause respiratory irritation.	
2-Furaldehyde (98-01-1)		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure :	Not classified	
Eugenol (97-53-0)		
NOAEL (subchronic, oral, animal/male, 90 days)	≥ 900 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:	
NOAEL (subchronic, oral, animal/female, 90 days)	450 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:	
Geraniol (106-24-1)		
NOAEL (dermal, rat/rabbit, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: other:	
Benzyl benzoate (120-51-4)		
NOAEL (dermal, rat/rabbit, 90 days)	781 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)	
Benzyl alcohol (100-51-6)		
NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other:	
Methyl eugenol (93-15-2)		
NOAEL (oral, rat, 90 days)	> 300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
2-Furaldehyde (98-01-1)		
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)	
Aspiration hazard :	Not classified	
Eugenol (97-53-0)		
Viscosity, kinematic	7.863 mm²/s Temp.: 25 °C	
Benzyl alcohol (100-51-6)		
Viscosity, kinematic	4.851 mm²/s	
Benzaldehyde (100-52-7)		
Viscosity, kinematic	1.258 mm²/s	
11.2. Information on other hazards		

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse Ecology - general

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

(chronic)

: Not classified

: Not classified

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2.100 mg/l Test organisms (species): Daphnia magna	Labdanum absolute	
Eugenot (87-53-0) LCSO - Fish [1] 13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO - Constacea [1] 24 mg/l ECSO 72h - Algae [1] 24 mg/l ECSO 72h - Algae [1] 24 mg/l ECSO - Fish [1] = 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO - Crustacea [1] = 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO - Crustacea [1] = 13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO 72h - Algae [1] 13 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic fish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus (previous name: Brachydanio rerio) NOEC chronic algae = 1 mi/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) ERBARYI benzoate (120-51-4) LCSO - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO - Crustacea [1] 3.09 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LCSO - Fish [1] 460 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 770 mg/l Test organisms (species): Pimephales promelas ECSO 72h - Algae [2] 500 mg/l Test organisms (species): Pimephales promelas ECSO 72h - Algae [2] 500 mg/l Test organisms (species): Pimephales promelas ECSO 72h - Algae [1] 76.828 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 76.828 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 76.828 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 76.828 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 78 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 12.4 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 12.4 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 12.4 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 12.4 mg/	EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [1] 13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 24 mg/l Geraniol (106-24-1) LC50 - Fish [1] 22 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 10.8 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 72h - Algae [1] 13.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 72h - Algae [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic rish NOEC chronic rish NOEC chronic rish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic algae 1 m/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) Bonzyl bonzoato (120-51-4) LC50 - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 2.30 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LC50 - Fish [1] 460 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Pimephales promelas EC50 72h - Algae [1] 78 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [1] 78 mg/l Test organisms (species): Other: Duration: 30 d' NOEC chronic fish 48.897 mg/l Test organisms (species): Other: Duration: 30 d' NOEC chronic rustacea Bonzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 19 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [EC50 72h - Algae [1]	> 1000 mg/l
EC50 - Crustacea [1] 1.05 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 24 mg/l Geraniol (106-24-1) LC50 - Fish [1] = 22 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 10.8 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) EC50 - Crustacea [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scanedesmus subspicatus) NOEC chronic fish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scanedesmus subspicatus) NOEC chronic algae = 1 mi/l Test organisms (species): Desmodesmus subspicatus (previous name: Scanedesmus subspicatus) Benzyl benzoate (120-51-4) LC50 - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 460 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 400 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 400 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 400 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 770 mg/l Test organisms (species): Danio rerio (previous names: Pseudokirchneriola subcapitata, Selenastrum capricornutum) EC50 - Fish - Algae [1] 770 mg/l Test organisms (species): Danio rerio (previous names: Pseudokirchneriola subcapitata, Selenastrum capricornutum) EC50 - Fish (1] 78 - Ray mg/l Test organisms (species): Oner: Duration: '30 d' NOEC chronic fish 88 - Ray mg/l Test organisms (species): Danionia magna EC50 - Crustacea [1] 12.4 mg/l Test organisms (species): Paphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Paphnia magna EC50 - Crustacea [1] 24.3 - 36.9 mg/l Test organisms (species): Da	Eugenol (97-53-0)	
Geraniol (106-24-1) LCSO - Fish [1] = 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO - Crustacea [1] 10.8 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) NOEC chronic fish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus (previous name: Brachydanio rerio) NOEC chronic algae = 1 m/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) Benzyl benzoate (120-51-4) LCSO - Fish [1] 2.32 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) Benzyl alcohol (100-51-6) LCSO - Fish [1] 460 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LCSO - Fish [1] 460 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 770 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) ECSO 98h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) ECSO 98h - Algae [1] 78 828 mg/l Test organisms (species): other: RCSO 98h - Algae [1] 78 828 mg/l Test organisms (species): other: RCSO 98h - Algae [1] 78 828 mg/l Test organisms (species): other: RCSO 98h - Algae [1] 12.4 mg/l Test organisms (species): Daphnia magna Benzaldehyde (100-52-7) LCSO - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna Benzaldehyde (100-52-7) 13.1 mg/l Test organisms (species): Daphnia magna Benzaldehyde (100-52-7) 13.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) ECSO 72h - Algae [1] 19.7 mg/l Test organisms (species): Pimephales promelas Duraton: 7 d' Dihydrocoumarin (119-84-6) ECSO - Crustacea [1] 24.3 – 36	LC50 - Fish [1]	13 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
Geraniol (106-24-1) LCSO - Fish [1] = 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) ECSO - Crustacea [1] 10.8 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus subspicatus (previous name: Scenedesmus subspicatus subspicatus (previous name: Brachydanio rerio) NOEC chronic fish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) NOEC chronic algae = 1 mi/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) Benzyl benzoate (120-51-4) LCSO - Fish [1] 2.32 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) Benzyl alcohol (100-51-6) LCSO - Crustacea [1] 3.09 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LCSO - Fish [1] 480 mg/l Test organisms (species): Pimephales promelas ECSO - Crustacea [1] 220 mg/l Test organisms (species): Pimephales promelas ECSO - Crustacea [1] 770 mg/l Test organisms (species): Pimephales promelas ECSO 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) ECSO 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) ECSO 96h - Algae [1] 76.828 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic fish 48.897 mg/l Test organisms (species): Other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LCSO - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna ECSO 72h - Algae [1] 13.1 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) ECSO - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna ECSO 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphni	EC50 - Crustacea [1]	1.05 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [1] = 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 10.8 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic fish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic algae = 1 ml/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) Benzyl benzoate (120-51-4) LC50 - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LC50 - Fish [1] 460 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Paphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocells subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocells subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): Other: NOEC chronic fish 48.897 mg/l Test organisms (species): Other: NOEC chronic fish 48.897 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 124.4 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna	EC50 72h - Algae [1]	24 mg/l
EC50 - Crustacea [1] 10.8 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic fish 10 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Brachydanio rerio) NOEC chronic algae 1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) Bonzyl benzoate (120-51-4) LC50 - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LC50 - Fish [1] 460 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 96h - Algae [1] 76 8.28 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna	Geraniol (106-24-1)	
EC50 72h - Algae [1] 13.1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) NOEC chronic fish 10 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) NOEC chronic algae 21 mi/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) Benzyl benzoate (120-51-4) LC50 - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Fish [1] 460 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Fish [1] 460 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 230 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Pimephales promelas EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test o	LC50 - Fish [1]	≈ 22 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
Scenedesmus subspicatus NOEC chronic fish 10 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) NOEC chronic algae = 1 mil/ Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) Benzyl benzoate (120-51-4) LC50 - Fish [f] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 460 mg/l Test organisms (species): Daphnia magna	EC50 - Crustacea [1]	10.8 mg/l Test organisms (species): Daphnia magna
NOEC chronic algae * 1 ml/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) * 1 ml/l Test organisms (species): Danno rerio (previous name: Brachydanio rerio) * 2.32 mg/l Test organisms (species): Danno rerio (previous name: Brachydanio rerio) * EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Daphnia magna * Benzyl alcohol (100-51-6) * LC50 - Fish [1] 460 mg/l Test organisms (species): Daphnia magna * Benzyl alcohol (100-51-6) * LC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna * EC50 - Crustacea [1] 770 mg/l Test organisms (species): Daphnia magna * EC50 72h - Algae [1] 770 mg/l Test organisms (species): Daphnia magna * EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) * EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: * NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' * NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days * Benzaldehyde (100-52-7) * LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna * EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Daphnia magna * EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) * EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) * NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' * Dihydrocoumarin (119-84-6) * EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna * EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna * EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna	EC50 72h - Algae [1]	
Scenedesmus subspicatus	NOEC chronic fish	10 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [1] 2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) EC50 - Crustacea [1] 3.09 mg/l Test organisms (species): Daphnia magna Benzyl alcohol (100-51-6) LC50 - Fish [1] 460 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricormutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricormutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricormutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricormutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	NOEC chronic algae	
Benzyl alcohol (100-51-6) LC50 - Fish [1] 460 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Paphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	Benzyl benzoate (120-51-4)	
Benzyl alcohol (100-51-6) LC50 - Fish [1] 460 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	LC50 - Fish [1]	2.32 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
LC50 - Fish [1] 460 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	EC50 - Crustacea [1]	3.09 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [1] 230 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricomutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	Benzyl alcohol (100-51-6)	
EC50 72h - Algae [1] 770 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): Daphnia magna EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	LC50 - Fish [1]	460 mg/l Test organisms (species): Pimephales promelas
Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 500 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Daphnia magna	EC50 - Crustacea [1]	230 mg/l Test organisms (species): Daphnia magna
Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 76.828 mg/l Test organisms (species): other: NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	EC50 72h - Algae [1]	
NOEC chronic fish 48.897 mg/l Test organisms (species): other: Duration: '30 d' NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	EC50 72h - Algae [2]	
NOEC chronic crustacea 51 mg/l Species: Daphnia magna, duration: 21 days Benzaldehyde (100-52-7) LC50 - Fish [1] 12.4 mg/l Test organisms (species): EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	EC50 96h - Algae [1]	76.828 mg/l Test organisms (species): other:
Benzaldehyde (100-52-7) LC50 - Fish [1]	NOEC chronic fish	48.897 mg/l Test organisms (species): other: Duration: '30 d'
LC50 - Fish [1] 12.4 mg/l Test organisms (species): EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	NOEC chronic crustacea	51 mg/l Species: Daphnia magna, duration: 21 days
EC50 - Crustacea [1] 19.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	Benzaldehyde (100-52-7)	
EC50 72h - Algae [1] 33.1 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) EC50 72h - Algae [2] 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	LC50 - Fish [1]	12.4 mg/l Test organisms (species):
Pseudokirchneriella subcapitata, Selenastrum capricornutum) 8.05 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	EC50 - Crustacea [1]	19.7 mg/l Test organisms (species): Daphnia magna
Pseudokirchneriella subcapitata, Selenastrum capricornutum) NOEC chronic fish 0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d' Dihydrocoumarin (119-84-6) EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	EC50 72h - Algae [1]	
Dihydrocoumarin (119-84-6) EC50 - Crustacea [1]	EC50 72h - Algae [2]	
EC50 - Crustacea [1] 24.3 – 36.9 mg/l Test organisms (species): Daphnia magna EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	NOEC chronic fish	0.12 mg/l Test organisms (species): Pimephales promelas Duration: '7 d'
EC50 96h - Algae [1] 1.452 mg/l Test organisms (species): Cuminaldehyde (122-03-2)	Dihydrocoumarin (119-84-6)	
Cuminaldehyde (122-03-2)	EC50 - Crustacea [1]	24.3 – 36.9 mg/l Test organisms (species): Daphnia magna
	EC50 96h - Algae [1]	1.452 mg/l Test organisms (species):
EC50 - Other aquatic organisms [1] 1.17 mg/l Test organisms (species):	Cuminaldehyde (122-03-2)	
	EC50 - Other aquatic organisms [1]	1.17 mg/l Test organisms (species):

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Cuminaldehyde (122-03-2)		
EC50 72h - Algae [1]	15.1 mg/l Test organisms (species):	
EC50 96h - Algae [1]	2.03 mg/l Test organisms (species):	
EC50 96h - Algae [2]	1.37 mg/l Test organisms (species):	
Methyl eugenol (93-15-2)		
EC50 - Crustacea [1]	≈ 38 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	≈ 22 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)	
EC50 72h - Algae [2]	9.6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)	
EC50 96h - Algae [1]	8.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)	
EC50 96h - Algae [2]	11.972 mg/l Test organisms (species):	
2-Furaldehyde (98-01-1)		
LOEC (chronic)	3.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC (chronic)	1.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	
NOEC chronic fish	0.33 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '12 d'	
Phenylacetaldehyde (122-78-1)		
LC50 - Fish [1]	> 6.2 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)	
EC50 - Crustacea [1]	20 mg/l Test organisms (species): Daphnia magna	
EC50 72h - Algae [1]	1.6 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)	
EC50 72h - Algae [2]	0.85 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)	

12.2. Persistence and degradability

Labdanum absolute		
Persistence and degradability	Not rapidly degradable	
Eugenol (97-53-0)		
Persistence and degradability	Not rapidly degradable	
Geraniol (106-24-1)		
Persistence and degradability	Not rapidly degradable	
Benzyl benzoate (120-51-4)		
Persistence and degradability	Not rapidly degradable	
Carvone (99-49-0)		
Persistence and degradability	Not rapidly degradable	
Benzyl alcohol (100-51-6)		
Persistence and degradability	Not rapidly degradable	
Benzaldehyde (100-52-7)		
Persistence and degradability	Not rapidly degradable	

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Perillaldehyde (2111-75-3)		
Persistence and degradability	Not rapidly degradable	
Dihydrocoumarin (119-84-6)		
Persistence and degradability	Not rapidly degradable	
Cuminaldehyde (122-03-2)		
Persistence and degradability	Not rapidly degradable	
Methyl eugenol (93-15-2)		
Persistence and degradability	Not rapidly degradable	
Thujone (1125-12-8)		
Persistence and degradability	Not rapidly degradable	
2-Furaldehyde (98-01-1)		
Persistence and degradability	Not rapidly degradable	
Phenylacetaldehyde (122-78-1)		
Persistence and degradability	Not rapidly degradable	

12.3. Bioaccumulative potential

Eugenol (97-53-0)		
Partition coefficient n-octanol/water (Log Kow)	1.83 pH: 55; Temp.: 30 °C	
Geraniol (106-24-1)		
Partition coefficient n-octanol/water (Log Pow)	2.6	
Benzyl benzoate (120-51-4)		
Partition coefficient n-octanol/water (Log Kow)	3.97 Temp.: 25 °C	
Benzyl alcohol (100-51-6)		
Bioconcentration factor (BCF REACH)	1.37	
Partition coefficient n-octanol/water (Log Pow) 1.1		
Benzaldehyde (100-52-7)		
Partition coefficient n-octanol/water (Log Pow)	1.4 Temp.: 25 °C	

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations. Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
Not regulated for transport				
14.2. UN proper shippin	g name			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard	class(es)			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group	14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information	No supplementary information available			

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	2-Furaldehyde	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	Labdanum absolute; Eugenol; Geraniol; Benzyl benzoate; Carvone; Benzyl alcohol; Benzaldehyde; Perillaldehyde; Dihydrocoumarin; Cuminaldehyde; Methyl eugenol; Thujone; 2-Furaldehyde; Phenylacetaldehyde	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	Benzyl benzoate ; Benzaldehyde ; Dihydrocoumarin ; Phenylacetaldehyde	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	2-Furaldehyde	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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National regulations

Netherlands

: The substance is not listed SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-lijst van mutagene stoffen SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed SZW-lijst van reprotoxische stoffen -: The substance is not listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ACGIH	American Conference of Government Industrial Hygienists	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
CAS-No.	Chemical Abstract Service number	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
COD	Chemical oxygen demand (COD)	
CSA	Chemical safety assessment	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
ED	Endocrine disruptor	
EN	European Standard	
EWC	European waste catalogue	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
Log Kow	Partition coefficient n-octanol/water (Log Kow)	
Log Pow	Partition coefficient n-octanol/water (Log Pow)	
MAK	maximum workplace concentration	
NOAEC	No-Observed Adverse Effect Concentration	

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Abbreviations and acronyms:		
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
N.O.S.	Not Otherwise Specified	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
OSHA	Occupational Safety Health Administration	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
PPE	Personal protection equipment	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
TF	Technical function	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
TWA	Time Weighted Average	
VOC	Volatile Organic Compounds	
vPvB	Very Persistent and Very Bioaccumulative	
UFI	Unique Formula Identifier	

Full text of H- and EUH-statements:		
Acute Tox. 2 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 2	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Carc. 2	Carcinogenicity, Category 2	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
Muta. 2	Germ cell mutagenicity, Category 2	
Skin Corr. 1	Skin corrosion/irritation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
Skin Sens. 1B	Skin sensitisation, category 1B	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	
H226	Flammable liquid and vapour.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H330	Fatal if inhaled.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H341	Suspected of causing genetic defects.	
H351	Suspected of causing cancer.	
H400	Very toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.