Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH), Annex II as amended by Regulation (EU) 2020/878

Product name	Precious Iris Extrait
Article no.	GUE-IPA-15-SH
Quality	Exklusiv
Language	English
Supplier	Fragrance Hub Germany · Am Alten Kirchplatz 10 · 45665 Recklinghausen · Germany +49 2361 4878835 · info@fragranceshub.de
Emergency telephone	+49 2361 4878835 (Mon–Sat, 08:00–20:00)

The following pages contain the complete safety data sheet for the product named above, as supplied. Fragrance oil – for professional/industrial use only.

SAFETY DATA SHEET

Issue date : 10/27/2026

FRAGRANCE COMPOUND GUE-IPA-15-SH

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

1.1. Product identifier

Product form : Mixture
Product name : **Fragrance Compound**
Product code : **GUE-IPA-15-SH**
UFI : **457C-25YE-P00C-P3PQ**

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

Relevant identified uses

Main use category : Industrial use,Professional use
Use of the substance/mixture : Perfumes, fragrances

1.3. Details of the supplier of the safety data sheet

Prepared for: FRAGRANCE HUB GERMANY
Am Alten Kirchplatz 10
45665 Recklinghausen – Germany
Email: Info@fragranceshub.de
Tel: +4923614878835

1.4. Emergency telephone number

Emergency number : +4923614878835

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 2	H361
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

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

Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07 GHS08 GHS09

Contains : geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol; 2-Methyl-3-(p-isopropylphenyl)propionaldehyde; Coumarin; Hydroxycitronellal; Linalyl acetate; 4-isopropylcyclohexylmethanol; p-Isobutyl-alpha-methyl hydrocinnamaldehyde; Tetrahydrolinalool; α-methyl-1,3-benzodioxole-5-propionaldehyde; p-tert-Butyldihydrocinnamaldehyde; alpha-iso-Methylionone; Formaldehyde cyclododecyl ethyl acetal; 4-Methoxy-alpha-methylbenzenepropanal; Heliotropin

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H361 - Suspected of damaging fertility or the unborn child.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

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protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P391 - Collect spillage.

2.3. Other hazards

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

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5), Formaldehyde cyclododecyl ethyl acetal (58567-11-6)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5), Formaldehyde cyclododecyl ethyl acetal (58567-11-6)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605	geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB)	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7	≥ 10 – < 25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethylene brassylate	CAS-No.: 105-95-3 EC-No.: 203-347-8	≥ 5 – < 10	Aquatic Chronic 3, H412
alpha-Ionone	CAS-No.: 127-41-3 EC-No.: 204-841-6	≥ 5 – < 10	Aquatic Chronic 3, H412
Vanillin	CAS-No.: 121-33-5 EC-No.: 204-465-2	≥ 5 – < 10	Eye Irrit. 2, H319
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol	CAS-No.: 63500-71-0 EC-No.: 405-040-6 EC Index-No.: 603-101-00-3	≥ 5 – < 10	Eye Irrit. 2, H319
α-methyl-1,3-benzodioxole-5-propionaldehyde	CAS-No.: 1205-17-0 EC-No.: 214-881-6 EC Index-No.: 605-042-00-9	≥ 3 – < 5	Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411
alpha-Irone	CAS-No.: 79-69-6 EC-No.: 201-219-6	≥ 1 – < 3	Aquatic Chronic 2, H411
Coumarin	CAS-No.: 91-64-5 EC-No.: 202-086-7	≥ 1 – < 3	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Skin Sens. 1B, H317

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl acetate	CAS-No.: 140-11-4 EC-No.: 205-399-7	≥ 1 – < 3	Aquatic Chronic 3, H412
Formaldehyde cyclododecyl ethyl acetal	CAS-No.: 58567-11-6 EC-No.: 261-332-1	≥ 1 – < 3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Hydroxycitronellal	CAS-No.: 107-75-5 EC-No.: 203-518-7	≥ 1 – < 3	Eye Irrit. 2, H319 Skin Sens. 1B, H317
(2E)-2-ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol	CAS-No.: 106185-75-5	≥ 1 – < 3	Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Heliotropin	CAS-No.: 120-57-0 EC-No.: 204-409-7	≥ 1 – < 3	Skin Sens. 1B, H317 Repr. 2, H361
Ethyl vanillin	CAS-No.: 121-32-4 EC-No.: 204-464-7	≥ 1 – < 3	Eye Irrit. 2, H319
Phenethyl alcohol	CAS-No.: 60-12-8 EC-No.: 200-456-2	≥ 1 – < 3	Acute Tox. 4 (Oral), H302 (ATE=1610 mg/kg bodyweight) Eye Irrit. 2, H319
Tetrahydrolinalool	CAS-No.: 78-69-3 EC-No.: 201-133-9	≥ 1 – < 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol	CAS-No.: 65113-99-7 EC-No.: 265-453-0	≥ 1 – < 3	Eye Irrit. 2, H319 Aquatic Chronic 2, H411
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	CAS-No.: 103-95-7 EC-No.: 203-161-7	≥ 0.1 – < 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 3, H412
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol	CAS-No.: 106-24-1 EC-No.: 203-377-1 EC Index-No.: 603-241-00-5	≥ 0.1 – < 1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Anisaldehyde	CAS-No.: 123-11-5 EC-No.: 204-602-6	≥ 0.1 – < 1	Repr. 2, H361 Aquatic Chronic 3, H412
4-Methoxy-alpha-methylbenzenepropanal	CAS-No.: 5462-06-6 EC-No.: 226-749-5	≥ 0.1 – < 1	Skin Sens. 1B, H317
p-tert-Butyldihydrocinnamaldehyde	CAS-No.: 18127-01-0 EC-No.: 242-016-2	≥ 0.1 – < 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 STOT RE 2, H373 Aquatic Chronic 3, H412
Amyl salicylate	CAS-No.: 2050-08-0 EC-No.: 218-080-2	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 (ATE=2000 mg/kg bodyweight) Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3-(5,5,6-Trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol	CAS-No.: 3407-42-9 EC-No.: 222-294-1	≥ 0.1 – < 1	Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
4-isopropylcyclohexylmethanol	CAS-No.: 13828-37-0	≥ 0.1 – < 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Linalyl acetate	CAS-No.: 115-95-7 EC-No.: 204-116-4	≥ 0.1 – < 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
alpha-iso-Methylionone	CAS-No.: 127-51-5 EC-No.: 204-846-3	≥ 0.1 – < 1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
benzaldehyde	CAS-No.: 100-52-7 EC-No.: 202-860-4 EC Index-No.: 605-012-00-5	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 Aquatic Chronic 2, H411
p-Isobutyl-alpha-methyl hydrocinnamaldehyde	CAS-No.: 6658-48-6 EC-No.: 229-695-0	≥ 0.1 – < 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317
ethyl acetate substance with national workplace exposure limit(s) (TR); substance with a Community workplace exposure limit	CAS-No.: 141-78-6 EC-No.: 205-500-4 EC Index-No.: 607-022-00-5	≥ 0.01 – < 0.1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066

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 exposed or concerned: Get medical advice/attention.

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 or rash 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.

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

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

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

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	:	Collect spillage. 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. Notify authorities if product enters sewers or public waters.
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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures	:	Contaminated work clothing should not be allowed out of the workplace. 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

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Store locked up.
Packaging materials	:	Always store 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 inadequate ventilation] wear respiratory protection.

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	:	light yellow.
Odour	:	characteristic.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Non flammable
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	≥ 112 °C
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	< 20.5 mm²/s (estimated value)
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	1.0133 – 1.0213 g/ml
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

No additional information available

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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

Amyl salicylate (2050-08-0)	
LD50 oral rat	≈ 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 oral	2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Anisaldehyde (123-11-5)	
LD50 oral rat	3210 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2755 - 3600
LD50 oral	3210 mg/kg
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit

Benzyl acetate (140-11-4)	
LD50 oral	2490 mg/kg

geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
LD50 oral	3600 mg/kg

2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)	
LD50 oral	3810 mg/kg

Ethyl vanillin (121-32-4)	
LD50 oral	3000 mg/kg

Phenethyl alcohol (60-12-8)	
LD50 oral	1610 mg/kg

alpha-Ionone (127-41-3)	
LD50 oral	4590 mg/kg

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Vanillin (121-33-5)	
LD50 oral	3300 mg/kg
LD50 dermal	2600 mg/kg
p-tert-Butyldihydrocinnamaldehyde (18127-01-0)	
LD50 oral	2500 mg/kg
4-Methoxy-alpha-methylbenzenepropanal (5462-06-6)	
LD50 oral	4000 mg/kg
Heliotropin (120-57-0)	
LD50 oral rat	2700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2350 - 3100
LD50 oral	2700 mg/kg
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: other:, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Benzyl acetate (140-11-4)	
IARC group	3 - Not classifiable
Coumarin (91-64-5)	
IARC group	3 - Not classifiable

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Amyl salicylate (2050-08-0)	
NOAEL (animal/male, F0/P)	540 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]
NOAEL (animal/female, F0/P)	180 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 415 [One-Generation Reproduction Toxicity Study (before 9 October 2017)]

STOT-single exposure : Not classified

benzaldehyde (100-52-7)	
STOT-single exposure	May cause respiratory irritation.
ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Anisaldehyde (123-11-5)	
NOAEL (oral, rat, 90 days)	100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
p-tert-Butyldihydrocinnamaldehyde (18127-01-0)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Heliotropin (120-57-0)	
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), Guideline: other:

Aspiration hazard : Not classified

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Fragrance Oil	
Viscosity, kinematic	< 20.5 mm²/s (estimated value)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Amyl salicylate (2050-08-0)	
LC50 - Fish [1]	1.34 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.88 mg/l Test organisms (species): Daphnia magna

Anisaldehyde (123-11-5)	
LC50 - Fish [1]	148.32 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	82.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	68.4 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LOEC (chronic)	1.53 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.71 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Heliotropin (120-57-0)	
LC50 - Fish [1]	2.5 mg/l Test organisms (species): Cyprinus carpio
EC50 - Crustacea [1]	52 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	31 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	6.8 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Fragrance Oil	
Persistence and degradability	Not rapidly degradable

Amyl salicylate (2050-08-0)	
Persistence and degradability	Not rapidly degradable

Anisaldehyde (123-11-5)	
Persistence and degradability	Not rapidly degradable

(2E)-2-ethyl-4-(2,2,3-trimethylcyclopent-3-en-1-yl)but-2-en-1-ol (106185-75-5)	
Persistence and degradability	Not rapidly degradable

benzaldehyde (100-52-7)	
Persistence and degradability	Not rapidly degradable

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Benzyl acetate (140-11-4)	
Persistence and degradability	Not rapidly degradable
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5)	
Persistence and degradability	Not rapidly degradable
geraniol; (2E)-3,7-dimethylocta-2,6-dien-1-ol (106-24-1)	
Persistence and degradability	Not rapidly degradable
2-Methyl-3-(p-isopropylphenyl)propionaldehyde (103-95-7)	
Persistence and degradability	Not rapidly degradable
Ethylene brassylate (105-95-3)	
Persistence and degradability	Not rapidly degradable
Coumarin (91-64-5)	
Persistence and degradability	Not rapidly degradable
Ethyl vanillin (121-32-4)	
Persistence and degradability	Not rapidly degradable
Hydroxycitronellal (107-75-5)	
Persistence and degradability	Not rapidly degradable
Linalyl acetate (115-95-7)	
Persistence and degradability	Not rapidly degradable
4-isopropylcyclohexylmethanol (13828-37-0)	
Persistence and degradability	Not rapidly degradable
Phenethyl alcohol (60-12-8)	
Persistence and degradability	Not rapidly degradable
5-(2,2,3-Trimethyl-3-cyclopentenyl)-3-methylpentan-2-ol (65113-99-7)	
Persistence and degradability	Not rapidly degradable
alpha-Ionone (127-41-3)	
Persistence and degradability	Not rapidly degradable
p-Isobutyl-alpha-methyl hydrocinnamaldehyde (6658-48-6)	
Persistence and degradability	Not rapidly degradable
Tetrahydrolinalool (78-69-3)	
Persistence and degradability	Not rapidly degradable
Vanillin (121-33-5)	
Persistence and degradability	Not rapidly degradable
α-methyl-1,3-benzodioxole-5-propionaldehyde (1205-17-0)	
Persistence and degradability	Not rapidly degradable
alpha-Irone (79-69-6)	
Persistence and degradability	Not rapidly degradable

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p-tert-Butyldihydrocinnamaldehyde (18127-01-0)	
Persistence and degradability	Not rapidly degradable
alpha-iso-Methylionone (127-51-5)	
Persistence and degradability	Not rapidly degradable
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-ol (63500-71-0)	
Persistence and degradability	Not rapidly degradable
Formaldehyde cyclododecyl ethyl acetal (58567-11-6)	
Persistence and degradability	Not rapidly degradable
4-Methoxy-alpha-methylbenzenepropanal (5462-06-6)	
Persistence and degradability	Not rapidly degradable
3-(5,5,6-Trimethylbicyclo[2.2.1]hept-2-yl)cyclohexan-1-ol (3407-42-9)	
Persistence and degradability	Not rapidly degradable
ethyl acetate (141-78-6)	
Persistence and degradability	Not rapidly degradable
Heliotropin (120-57-0)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5), Formaldehyde cyclododecyl ethyl acetal (58567-11-6)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran; galaxolide; (HHCB) (1222-05-5), Formaldehyde cyclododecyl ethyl acetal (58567-11-6)

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

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.

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HP Code	:	HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP10 - "Toxic for reproduction:" waste which has adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in the offspring. HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated for transport				
14.2. UN proper shipping 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				
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 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

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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

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

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PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

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 (EU 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 (EC 273/2004)

Contains 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)

Name	CN designation	CAS-No.	CN code	Category, Subcategory	Threshold	Annex
Piperonal		120-57-0	2932 93 00	Category 1		Annex I

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
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)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
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
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration

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Abbreviations and acronyms:	
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstracts Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
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 1	Hazardous to the aquatic environment – Chronic 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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

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Full text of H- and EUH-statements:	
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.

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