



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Revision date 03/05/2024

Revision Number 1

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

1.1. Product identifier

Product Code(s)	C2035
Safety data sheet number	0000054
Product Name	Astonish Toilet Fresh Peony
Pure substance/mixture	Mixture
Formula	2035F1V1

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

Recommended use Cleaning toilet bowls and removing limescale.

Uses advised against

1.3. Details of the supplier of the safety data sheet

Manufacturer

The London Oil Refining Company Ltd
Astonish House
Unit 8 Thornbury Ind. Est.
Woodhall Road
Bradford BD3 7AF, UK
Tel: +44 1274 767440 (8am-4pm Mon-Fri)
www.astonish.co.uk

For further information, please contact

E-mail address info@astonish.co.uk

1.4. Emergency telephone number

Emergency Telephone UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri).

Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7days a week):
Website 111.nhs.uk or a doctor

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2 - (H319)
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2.2. Label elements



Signal word

Warning

Hazard statements

H319 - Causes serious eye irritation

Precautionary statements

P280 - Wear eye protection/ face protection

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

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P103 - Read label before use

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Unknown aquatic toxicity

Contains 0.44538 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)

WATER -	50 - <100%	-	-	-	-	-	-
Citric Acid Monohydrate 5949-29-1	1 - <2.5%	201-069-1	-	Eye Irrit. 2 (H319)	-	-	-
Poly(oxy-1,2-ethane diyl), .alpha.-tridecyl-ome ga.-hydroxy-, branched 69011-36-5	0.5 - <1%	-	-	-	-	-	-
Amines, C12-18(even numbered)-alkyldim ethyl, N-oxides 68955-55-5	0.5 - <1%	931-341-1	-	Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	-	-
Hydroxyethyl Cellulose 9004-62-0	0.5 - <1%	-	-	-	-	-	-
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides 68424-85-1	0.025 - <0.25%	270-325-2	-	Skin Corr. 1B (H314) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Eye Dam. 1 (H318)	-	-	-
Tetramethyl acetyloctahydronap hthalenes 54464-57-2	0.025 - <0.25%	259-174-3	-	-	-	-	-
1-(1,2,3,4,5,6,7,8-O ctahydro-2,3,8,8-tetr amethyl-2-naphthyl)et han-1-one 54464-57-2	0.025 - <0.25%	259-174-3	-	Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	-	-	-
α -Hexylcinnamaldehy de 165184-98-5	0.025 - <0.25%	-	-	-	-	-	-
2-Phenylethanol 60-12-8	0.025 - <0.25%	200-456-2	-	-	-	-	-
Linalool 78-70-6	0.025 - <0.25%	201-134-4	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	-	-	-
Hexyl cinnamal 101-86-0	0.025 - <0.25%	202-983-3	-	Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Skin Sens. 1B (H317)	-	-	-
dl-Citronellol 106-22-9	0.025 - <0.25%	203-375-0	-	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
reaction mass of cis- and trans-cyclohexadec- 8-en-1-one 3100-36-5	0.025 - <0.25%	(606-046-00 -3) 401-700-2	-	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400)	-	-	-
Sodium Hydroxide 1310-73-2	<0.025%	(011-002-00 -6) 215-185-5	-	Skin Corr. 1A (H314) Met. Corr. 1 (H290)	Eye Irrit. 2 :: 0.5%<=C<2% Skin Corr. 1A :: C>=5% Skin Corr. 1B ::	-	-

					2%≤C<5% Skin Irrit. 2 :: 0.5%≤C<2%		
3-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one 79-89-0	<0.025%	201-231-1	-	Aquatic Chronic 2 (H411) Skin Irrit. 2 (H315)	-	-	-
2-methoxy-4-propylphenol 2785-87-7	<0.025%	220-499-0	-	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) STOT SE 3 (H335) Eye Dam. 1 (H318)	-	-	-
Dodecanal 112-54-9	<0.025%	203-983-6	-	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	-	-	-
3,7-Dimethylnona-1,6-dien-3-ol 10339-55-6	<0.025%	233-732-6	-	-	-	-	-
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4	<0.025%	245-844-2	-	Aquatic Chronic 2 (H411) Skin Sens. 1A (H317) Skin Irrit. 2 (H315)	-	-	-
Alpha-Isomethyl Ionone 127-51-5	<0.025%	204-846-3	-	Aquatic Chronic 2 (H411) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
Acid Red 52 3520-42-1	<0.025%	222-529-8	-	-	-	-	-
FD&C Red 4 -	<0.025%	-	-	-	-	-	-
allyl (cyclohexyloxy)acetate 68901-15-5	<0.025%	272-657-3	-	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)	-	-	-
2,4-Dimethylcyclohex-3-ene-1-carbaldehyde 68039-49-6	<0.025%	268-264-1	-	-	-	-	-
Rose Ketones 23726-91-2	<0.025%	245-842-1	-	Aquatic Chronic 2 (H411) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	-	-	-
Geraniol 106-24-1	<0.025%	203-377-1	-	Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	-	-	-
Anthenole 104-46-1	<0.025%	203-205-5	-	-	-	-	-
Citral 5392-40-5	<0.025%	(605-019-00-3) 226-394-6	-	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	-	-	-
benzaldehyde 100-52-7	<0.025%	(605-012-00-5) 202-860-4	-	Acute Tox. 4 (H332) Acute Tox. 4 (H302)	-	-	-
benzyl benzoate 120-51-4	<0.025%	(607-085-00-9) 204-402-9	-	Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)	-	-	-
benzyl alcohol 100-51-6	<0.025%	(603-057-00-5)	-	Acute Tox. 4 (H332) Eye Irrit. 2 (H319)	-	-	-

		202-859-9		Acute Tox. 4 (H302)			
Amyl Cinnamal 122-40-7	<0.025%	204-541-5	-	Aquatic Chronic 2 (H411) Skin Sens. 1B (H317)	-	-	-

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

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures**4.1. Description of first aid measures**

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth. Do NOT induce vomiting.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms	May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.
Effects of Exposure	See Section 11 for additional Toxicological Information.

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

Note to physicians	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.
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5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters**Exposure Limits**

Chemical name	United Kingdom
Sodium Hydroxide 1310-73-2	STEL: 2 mg/m ³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides 68955-55-5		11 mg/kg bw/day [4] [6]	6.2 mg/m ³ [4] [6]
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched 69011-36-5		2080 mg/kg bw/day [4] [6]	294 mg/m ³ [4] [6]
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides 68424-85-1		5.7 mg/kg bw/day [4] [6]	3.96 mg/m ³ [4] [6]
2-Phenylethanol 60-12-8		21.2 mg/kg bw/day [4] [6]	59.9 mg/m ³ [4] [6]
α-Hexylcinnamaldehyde 165184-98-5		18.2 mg/kg bw/day [4] [6] 525 µg/cm ² [5] [6] 525 µg/cm ² [5] [7]	0.078 mg/m ³ [4] [6] 6.28 mg/m ³ [5] [7]
Linalool 78-70-6		2.5 mg/kg bw/day [4] [6] 5 mg/kg bw/day [4] [7] 3 mg/cm ² [5] [6] 3 mg/cm ² [5] [7]	2.8 mg/m ³ [4] [6] 16.5 mg/m ³ [4] [7]
dl-Citronellol 106-22-9		327.4 mg/kg bw/day [4] [6] 2950 µg/cm ² [5] [7]	161.6 mg/m ³ [4] [6] 10 mg/m ³ [5] [6] 10 mg/m ³ [5] [7]
Sodium Hydroxide 1310-73-2			1 mg/m ³ [5] [6]
2-methoxy-4-propylphenol 2785-87-7		1.74 mg/kg bw/day [4] [6]	6.07 mg/m ³ [4] [6]
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4		0.77 mg/kg bw/day [4] [6]	2.71 mg/m ³ [4] [6]
Dodecanal 112-54-9		14.1 mg/kg bw/day [4] [6] 0.57 µg/cm ² [5] [6]	49.7 mg/m ³ [4] [6]
3,7-Dimethylnona-1,6-dien-3-ol 10339-55-6		2.7 mg/kg bw/day [4] [6] 5.5 mg/kg bw/day [4] [7] 1.6 mg/cm ² [5] [6] 1.6 mg/cm ² [5] [7]	3 mg/m ³ [4] [6] 18 mg/m ³ [4] [7]
Alpha-Isomethyl Ionone 127-51-5		0.375 mg/kg bw/day [4] [6]	8.22 mg/m ³ [4] [6]
allyl (cyclohexyloxy)acetate 68901-15-5		0.448 mg/kg bw/day [4] [6]	3.16 mg/m ³ [4] [6]
Geraniol 106-24-1		12.5 mg/kg bw/day [4] [6] 11800 µg/cm ² [5] [6]	161.6 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
Citral 5392-40-5		1.7 mg/kg bw/day [4] [6] 140 µg/cm ² [5] [6]	9 mg/m ³ [4] [6]
benzaldehyde 100-52-7		1.14 mg/kg bw/day [4] [6] 1 % in mixture (weight basis) [5] [7]	9.8 mg/m ³ [4] [6] 9.8 mg/m ³ [5] [6]
benzyl benzoate 120-51-4		2.6 mg/kg bw/day [4] [6]	5.1 mg/m ³ [4] [6] 102 mg/m ³ [4] [7]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides 68955-55-5	0.44 mg/kg bw/day [4] [6]		1.53 mg/m ³ [4] [6]
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched 69011-36-5	25 mg/kg bw/day [4] [6]		87 mg/m ³ [4] [6]
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides 68424-85-1	3.4 mg/kg bw/day [4] [6]		1.64 mg/m ³ [4] [6]
2-Phenylethanol 60-12-8	5.1 mg/kg bw/day [4] [6] 5.1 mg/kg bw/day [4] [7]		17.7 mg/m ³ [4] [6]
α-Hexylcinnamaldehyde 165184-98-5	0.056 mg/kg bw/day [4] [6]	78.7 µg/cm ² [5] [6] 78.7 µg/cm ² [5] [7]	0.019 mg/m ³ [4] [6] 4.71 mg/m ³ [5] [7]
Linalool 78-70-6	0.2 mg/kg bw/day [4] [6] 1.2 mg/kg bw/day [4] [7]	2.5 mg/kg bw/day [4] [6] 2.5 mg/kg bw/day [4] [7] 1.5 mg/cm ² [5] [6] 1.5 mg/cm ² [5] [7]	0.7 mg/m ³ [4] [6] 4.1 mg/m ³ [4] [7]
dl-Citronellol 106-22-9	13.8 mg/kg bw/day [4] [6]	2950 µg/cm ² [5] [7]	47.8 mg/m ³ [4] [6] 10 mg/m ³ [5] [6] 10 mg/m ³ [5] [7]
Sodium Hydroxide 1310-73-2			1 mg/m ³ [5] [6]
2-methoxy-4-propylphenol 2785-87-7	0.86 mg/kg bw/day [4] [6]		1.52 mg/m ³ [4] [6]
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4	0.38 mg/kg bw/day [4] [6]		0.67 mg/m ³ [4] [6]
Dodecanal 112-54-9	7 mg/kg bw/day [4] [6]	0.28 µg/cm ² [5] [6]	12.3 mg/m ³ [4] [6]
3,7-Dimethylnona-1,6-dien-3-ol 10339-55-6	0.2 mg/kg bw/day [4] [6] 1.3 mg/kg bw/day [4] [7]	2.7 mg/kg bw/day [4] [6] 2.7 mg/kg bw/day [4] [7] 1.6 mg/cm ² [5] [6] 1.6 mg/cm ² [5] [7]	0.74 mg/m ³ [4] [6] 4.4 mg/m ³ [4] [7]
Alpha-Isomethyl Ionone 127-51-5	35.5 µg/kg bw/day [4] [6]		1.45 mg/m ³ [4] [6]
allyl (cyclohexyloxy)acetate 68901-15-5	0.16 mg/kg bw/day [4] [6]		0.557 mg/m ³ [4] [6]
Geraniol	13.75 mg/kg bw/day [4] [6]	11800 µg/cm ² [5] [6]	47.8 mg/m ³ [4] [6]

Chemical name	Oral	Dermal	Inhalation
106-24-1			
Citral 5392-40-5	0.6 mg/kg bw/day [4] [6]	140 µg/cm ² [5] [6]	2.7 mg/m ³ [4] [6]
benzaldehyde 100-52-7	0.67 mg/kg bw/day [4] [6]	1 % in mixture (weight basis) [5] [7]	4.9 mg/m ³ [4] [6] 4.9 mg/m ³ [5] [6]
benzyl benzoate 120-51-4	0.4 mg/kg bw/day [4] [6] 78 mg/kg bw/day [4] [7]		1.25 mg/m ³ [4] [6] 25 mg/m ³ [4] [7]

Notes

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides 68955-55-5	0.0335 mg/L	0.0335 mg/L	0.00335 mg/L		
Poly(oxy-1,2-ethanediyl), alpha.-tridecyl-.omega.-hy droxy-, branched 69011-36-5	0.074 mg/L	0.015 mg/L	0.0074 mg/L		
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides 68424-85-1	0.0009 mg/L	0.00016 mg/L	0.00096 mg/L		
2-Phenylethanol 60-12-8	0.215 mg/L	2.15 mg/L	0.0215 mg/L		
α-Hexylcinnamaldehyde 165184-98-5	0.00126 mg/L	0.00247 mg/L	0.000126 mg/L		
Linalool 78-70-6	0.2 mg/L	2 mg/L	0.02 mg/L		
dl-Citronellol 106-22-9	0.0024 mg/L	0.024 mg/L	0.00024 mg/L		
2-methoxy-4-propylphenol 2785-87-7	3.3 µg/L	0.033 mg/L	0.33 µg/L	3.3 µg/L	
(E)-1-(2,6,6-Trimethyl-1,3- cyclohexadien-1-yl)-2-bute n-1-one 23726-93-4	1.09 µg/L	10.9 µg/L	0.11 µg/L		
Dodecanal 112-54-9	0.0035 mg/L	0.035 mg/L	0.00035 mg/L		
3,7-Dimethylnona-1,6-dien -3-ol 10339-55-6	0.023 mg/L	0.23 mg/L	0.0023 mg/L		
Alpha-Isomethyl Ionone 127-51-5	1.43 µg/L	14.3 µg/L	0.143 µg/L	1.43 µg/L	
allyl (cyclohexyloxy)acetate 68901-15-5	2.05 µg/L	2.05 µg/L	0.205 µg/L	0.205 µg/L	

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Geraniol 106-24-1	0.0108 mg/L	0.108 mg/L	0.00108 mg/L		
Citral 5392-40-5	0.00678 mg/L	0.0678 mg/L	0.000678 mg/L		
benzyl benzoate 120-51-4	0.0168 mg/L		0.00168 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides 68955-55-5	5.24 mg/kg sediment dw	0.524 mg/kg sediment dw	24 mg/L	1.02 mg/kg soil dw	11.1 mg/kg food
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched 69011-36-5	0.604 mg/kg sediment dw	0.0604 mg/kg sediment dw	1.4 mg/L	0.1 mg/kg soil dw	
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides 68424-85-1	12.27 mg/kg sediment dw	13.09 mg/kg sediment dw	0.4 mg/L	7 mg/kg soil dw	
2-Phenylethanol 60-12-8	1.454 mg/kg sediment dw	0.1454 mg/kg sediment dw	10 mg/L	0.164 mg/kg soil dw	
α -Hexylcinnamaldehyde 165184-98-5	3.2 mg/kg sediment dw	0.064 mg/kg sediment dw	10 mg/L	0.398 mg/kg soil dw	6.6 mg/kg food
Linalool 78-70-6	2.22 mg/kg sediment dw	0.222 mg/kg sediment dw	10 mg/L	0.327 mg/kg soil dw	7.8 mg/kg food
dl-Citronellol 106-22-9	0.0256 mg/kg sediment dw	0.00256 mg/kg sediment dw	580 mg/L	0.00371 mg/kg soil dw	
2-methoxy-4-propylphenol 2785-87-7	0.089 mg/kg sediment dw	0.009 mg/kg sediment dw	10 mg/L	0.016 mg/kg soil dw	41.5 mg/kg food
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one 23726-93-4	0.087 mg/kg sediment dw	8.67 μ g/kg sediment dw	3.2 mg/L	0.017 mg/kg soil dw	6.67 mg/kg food
Dodecanal 112-54-9	1.41 mg/kg sediment dw	0.141 mg/kg sediment dw	10 mg/L	0.278 mg/kg soil dw	313 mg/kg food
3,7-Dimethylnona-1,6-dien-3-ol 10339-55-6	0.223 mg/kg sediment dw	0.0223 mg/kg sediment dw	10 mg/L	0.031 mg/kg soil dw	8.53 mg/kg food
Alpha-Isomethyl Ionone 127-51-5	0.443 mg/kg sediment dw	44.3 μ g/kg sediment dw	10 mg/L	87.8 μ g/kg soil dw	
allyl (cyclohexyloxy)acetate 68901-15-5	38.7 μ g/kg sediment dw	3.87 μ g/kg sediment dw	0.3 mg/L	0.375 mg/kg soil dw	
Geraniol 106-24-1	0.115 mg/kg sediment dw	0.0115 mg/kg sediment dw	0.7 mg/L	0.0167 mg/kg soil dw	
Citral 5392-40-5	0.125 mg/kg sediment dw	0.0125 mg/kg sediment dw	1.6 mg/L	0.0209 mg/kg soil dw	
benzyl benzoate 120-51-4	10.66 mg/kg sediment dw	1.07 mg/kg sediment dw	100 mg/L	2.12 mg/kg soil dw	

8.2. Exposure controls

Engineering controls	No information available.
<u>Personal protective equipment</u>	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

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

Physical state	Liquid
Color	pink
Odor	Floral rose.
Odor threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	2.1 - 3.5	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	No data available	None known
Bulk density	No data available	
Liquid Density	0.985 - 1.015	
Relative vapor density	No data available	None known
Particle characteristics		
Particle Size		

Particle Size Distribution	
Explosive properties	No information available
Oxidizing properties	No information available

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Chlorine-based bleaching agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation No known effect based on information supplied.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion No known effect based on information supplied.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Prolonged contact may cause redness and

irritation.

Acute toxicity**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	202,702.70 mg/kg
ATEmix (dermal)	141,304.30 mg/kg
ATEmix (inhalation-gas)	99,999.00 ppm
ATEmix (inhalation-vapor)	99,999.00 mg/l
ATEmix (inhalation-dust/mist)	99,999.00 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Citric Acid Monohydrate	= 3 g/kg (Rat)	> 2000 mg/kg (Rat)	-
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy -, branched	> 2000 mg/kg (Rat)	= 5960 mg/kg (Rabbit)	> 1.6 mg/L (Rat) 4 h
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides	-	> 2000 mg/kg (Rat)	-
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	= 426 mg/kg (Rat)	-	-
α -Hexylcinnamaldehyde	-	> 3000 mg/kg (Rabbit)	> 5 mg/L (Rat) 4 h
2-Phenylethanol	= 1609 mg/kg (Rat)	= 2535 mg/kg (Rabbit)	> 4.63 mg/L (Rat) 4 h
Linalool	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rabbit)	-
Hexyl cinnamal	= 3100 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	> 5 mg/L (Rat) 4 h
dl-Citronellol	= 3450 mg/kg (Rat)	= 2650 mg/kg (Rabbit)	-
reaction mass of cis- and trans-cyclohexadec-8-en-1-one	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Sodium Hydroxide	= 325 mg/kg (Rat)	= 1350 mg/kg (Rabbit)	-
2-methoxy-4-propylphenol	= 2600 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Dodecanal	= 23 g/kg (Rat)	> 2000 mg/kg (Rabbit)	-
3,7-Dimethylnona-1,6-dien-3-ol	-	> 5000 mg/kg (Rabbit)	-
(E)-1-(2,6,6-Trimethyl-1,3-cyclo hexadien-1-yl)-2-buten-1-one	-	> 1000 mg/kg (Rabbit)	-
Alpha-Isomethyl Ionone	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
allyl (cyclohexyloxy)acetate	-	> 2000 mg/kg (Rat)	-
Rose Ketones	= 2920 mg/kg (Rat)	-	-
Geraniol	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Anthenole	= 2090 mg/kg (Rat)	-	-
Citral	= 4960 mg/kg (Rat)	= 2250 mg/kg (Rabbit)	-
benzaldehyde	= 1292 mg/kg (Rat)	> 1250 mg/kg (Rabbit)	-

benzyl benzoate	= 500 mg/kg (Rat)	= 4000 mg/kg (Rabbit)	-
benzyl alcohol	= 1230 mg/kg (Rat)	= 2 g/kg (Rabbit)	> 4178 mg/m ³ (Rat) 4 h
Amyl Cinnamal	= 3730 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation. Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

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

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

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

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

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

Other adverse effects

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Not considered to be harmful to aquatic life.

Unknown aquatic toxicity Contains 0.44538 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Citric Acid Monohydrate	-	LC50: =1516mg/L (96h, Lepomis macrochirus)	-	-
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl,	-	LC50: 0.223 - 0.46mg/L (96h, Lepomis macrochirus)	-	-

chlorides		LC50: 0.823 - 1.61mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =2.4mg/L (96h, <i>Oryzias latipes</i>) LC50: =1.3mg/L (96h, <i>Poecilia reticulata</i>)		
2-Phenylethanol	EC50: =490mg/L (72h, <i>Desmodesmus subspicatus</i>)	-	-	EC50: =287.17mg/L (48h, <i>Daphnia magna</i>)
Linalool	EC50: =88.3mg/L (96h, <i>Desmodesmus subspicatus</i>)	LC50: =27.8mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	EC50: =20mg/L (48h, <i>Daphnia magna</i>)
dl-Citronellol	-	-	-	EC50: =17mg/L (48h, <i>Daphnia magna</i>)
Sodium Hydroxide	-	LC50: =45.4mg/L (96h, <i>Oncorhynchus mykiss</i>)	-	-
3,7-Dimethylnona-1,6-dien-3-ol	-	LC50: =24mg/L (96h, <i>Danio rerio</i>)	-	-
Geraniol	-	LC50: =22mg/L (96h, <i>Danio rerio</i>)	-	-
Citral	EC50: =16mg/L (72h, <i>Desmodesmus subspicatus</i>) EC50: =19mg/L (96h, <i>Desmodesmus subspicatus</i>)	-	-	EC50: =7mg/L (48h, <i>Daphnia magna</i>)
benzaldehyde	-	LC50: 10.6 - 11.8mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: =12.69mg/L (96h, <i>Oncorhynchus mykiss</i>) LC50: 0.8 - 1.44mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 6.8 - 8.53mg/L (96h, <i>Pimephales promelas</i>) LC50: =7.5mg/L (96h, <i>Lepomis macrochirus</i>)	-	-
benzyl benzoate	-	LC50: =2.32mg/L (96h, <i>Danio rerio</i>)	-	-
benzyl alcohol	-	LC50: =460mg/L (96h, <i>Pimephales promelas</i>) LC50: =10mg/L (96h, <i>Lepomis macrochirus</i>)	-	EC50: =23mg/L (48h, water flea)

12.2. Persistence and degradability

Persistence and degradability None known.

12.3. Bioaccumulative potential

Bioaccumulation Not likely to bioaccumulate.

Component Information

Chemical name	Partition coefficient
Citric Acid Monohydrate	-1.72
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl	2.75

dimethyl, chlorides	
Tetramethyl acetyloctahydronaphthalenes	5.7
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	5.7
α -Hexylcinnamaldehyde	5.3
2-Phenylethanol	1.36
Linalool	2.9
dl-Citronellol	3.41
reaction mass of cis- and trans-cyclohexadec-8-en-1-one	6.5
2-methoxy-4-propylphenol	2.8
Dodecanal	4.9
3,7-Dimethylnona-1,6-dien-3-ol	3.3
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	3.4
Alpha-Isomethyl Ionone	4.288
Acid Red 52	-2.2
allyl (cyclohexyloxy)acetate	2.8
Rose Ketones	3.68
Geraniol	2.6
Citral	2.76
benzaldehyde	1.4
benzyl benzoate	3.97
benzyl alcohol	1.05
Amyl Cinnamal	2.498

12.4. Mobility in soil

Mobility in soil Not determined.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Citric Acid Monohydrate	The substance is not PBT / vPvB
Poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched Amines, C12-18(even numbered)-alkyldimethyl, N-oxides	The substance is not PBT / vPvB
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	The substance is not PBT / vPvB
α -Hexylcinnamaldehyde	The substance is not PBT / vPvB
2-Phenylethanol	The substance is not PBT / vPvB
Linalool	The substance is not PBT / vPvB
dl-Citronellol	The substance is not PBT / vPvB
reaction mass of cis- and trans-cyclohexadec-8-en-1-one	The substance is not PBT / vPvB
Sodium Hydroxide	The substance is not PBT / vPvB
2-methoxy-4-propylphenol	The substance is not PBT / vPvB
Dodecanal	The substance is not PBT / vPvB
3,7-Dimethylnona-1,6-dien-3-ol	The substance is not PBT / vPvB
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	The substance is not PBT / vPvB
Alpha-Isomethyl Ionone	The substance is not PBT / vPvB
allyl (cyclohexyloxy)acetate	The substance is not PBT / vPvB
Geraniol	The substance is not PBT / vPvB
Citral	The substance is not PBT / vPvB
benzaldehyde	The substance is not PBT / vPvB
benzyl benzoate	The substance is not PBT / vPvB
benzyl alcohol	The substance is not PBT / vPvB
Amyl Cinnamal	The substance is not PBT / vPvB

12.6. Other adverse effects**SECTION 13: Disposal considerations**13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

SECTION 14: Transport informationIATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	Not regulated

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides - 68424-85-1	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 4: Food and feed area Product-type 8: Wood preservatives Product-type 1: Human hygiene Product-type 10: Construction material preservatives Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 12: Slimicides Product-type 22: Embalming and taxidermist fluids
Geraniol - 106-24-1	Product-type 18: Insecticides, acaricides and products to control other arthropods Product-type 19: Repellents and attractants

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Chemical name	Poisons and Explosive Precursors
Sodium Hydroxide	Poison, Reportable 12 % of total caustic alkalinity

International Inventories

TSCA

Contact supplier for inventory compliance status

DSL/NDSL

Contact supplier for inventory compliance status

EINECS/ELINCS

Contact supplier for inventory compliance status

ENCS

Contact supplier for inventory compliance status

IECSC

Contact supplier for inventory compliance status

KECL

Contact supplier for inventory compliance status

PICCS

Contact supplier for inventory compliance status

AIIC

Contact supplier for inventory compliance status

NZIoC Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report A Chemical Safety Assessment has not been carried out for this mixture

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
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

Legend

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	On basis of test data
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method

Ozone

Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Revision date 03/05/2024

Reason for revision Created

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

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

End of Safety Data Sheet**UK SDS version information - XGHS**

UL release:
 GHS Revision 7
 2022 Q1

United Kingdom

Partial process, including GHS Wizard, NO TW

Full text of H-Statements referred to under section 3 H290 - May be corrosive to metals H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H315 - Causes skin irritation H318 - Causes serious eye damage H319 - Causes serious eye irritation 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

Chemical name	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)
Citric Acid Monohydrate	Eye Irrit. 2 (H319)	

Amines, C12-18(even numbered)-alkyldimethyl, N-oxides	Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	
Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	Skin Corr. 1B (H314) Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Eye Dam. 1 (H318)	
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	
Linalool	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	
Hexyl cinnamal	Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Skin Sens. 1B (H317)	
dl-Citronellol	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	
reaction mass of cis- and trans-cyclohexadec-8-en-1-one	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400)	
Sodium Hydroxide	Skin Corr. 1A (H314) Met. Corr. 1 (H290)	Eye Irrit. 2 :: 0.5%<=C<2% Skin Corr. 1A :: C>=5% Skin Corr. 1B :: 2%<=C<5% Skin Irrit. 2 :: 0.5%<=C<2%
3-Methyl-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one	Aquatic Chronic 2 (H411) Skin Irrit. 2 (H315)	
2-methoxy-4-propylphenol	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) STOT SE 3 (H335) Eye Dam. 1 (H318)	
Dodecanal	Eye Irrit. 2 (H319) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	
(E)-1-(2,6,6-Trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	Aquatic Chronic 2 (H411) Skin Sens. 1A (H317) Skin Irrit. 2 (H315)	
Alpha-Isomethyl Ionone	Aquatic Chronic 2 (H411) Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	
allyl (cyclohexyloxy)acetate	Aquatic Chronic 1 (H410) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)	
Rose Ketones	Aquatic Chronic 2 (H411) Skin Irrit. 2 (H315) Skin Sens. 1B (H317)	
Geraniol	Skin Sens. 1 (H317) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	
Citral	Skin Sens. 1 (H317) Eye Irrit. 2 (H319) Skin Irrit. 2 (H315)	
benzaldehyde	Acute Tox. 4 (H332) Acute Tox. 4 (H302)	
benzyl benzoate	Aquatic Chronic 2 (H411) Aquatic Acute 1 (H400) Acute Tox. 4 (H302)	
benzyl alcohol	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	
Amyl Cinnamal	Aquatic Chronic 2 (H411) Skin Sens. 1B (H317)	

