

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

1.1. Product identifier

Product form: Mixture
 Trade name: Value Smart Scent Boosters (Fresh Scent)
 Product code: TBD
 Product group: Trade product

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

1.2.1. Relevant identified uses

Intended for general public
 Main use category: Consumer uses: Private households (= general public = consumers)
 Function or use category: Washing and cleaning products (including solvent based products)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Value Smart Products, Inc.
 3651 Peachtree Parkway, Suite E-317
 Suwanee, GA 30024; USA
 Tel: 001 678-513-9798
 info@valuesmartproducts.com

1.4. Emergency telephone number

Emergency number: (USA) Emergency Tel: 001 678-513-9798

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aquatic Chronic 3: H412

Full text of hazard classes and H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Signal word (CLP)	None
Hazard statements (CLP)	H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	P501 - Dispose of contents/container to an appropriate local waste system P102 - Keep out of reach of children P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor
EUH-statements	EUH208 - Contains Alpha-Isomethyl Ionone, Benzyl Salicylate, Butylphenyl Methylpropional, Citronellol, Eugenol, Hexyl Cinnamal, Limonene, and Linalool. May produce an allergic reaction

2.3. Other hazards

Other hazards not contributing to the classification: No presence of PBT and vPvB ingredients

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alpha-Isomethyl Ionone	(CAS No) 127-51-5 (EC No) 204-846-3 (REACH-no): No data available	< 1	Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Skin Sens. 1B, H317
Benzyl Salicylate	(CAS No) 118-58-1 (EC No) 204-262-9 (REACH-no) 01-2119969442-31	< 1	Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Butylphenyl Methylpropional	(CAS No) 80-54-6 (EC No) 201-289-8 (REACH-no) 01-2119485965-18	< 1	Skin Irrit. 2, H315 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 Acute Tox. 4, H302 Repr. 2, H361 Skin Sens. 1, H317
Citronellol	(CAS No) 106-22-9 (EC No) 203-375-0 (REACH-no) 01-2119453995-23	< 1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319
Coumarin	(CAS No) 91-64-5 (EC No) 202-086-7 (REACH-no) 01-2119949300-45	< 1	Acute Tox. 4, H302 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Eugenol	(CAS No) 97-53-0 (EC No) 202-589-1 (REACH-no) 01-2119971802-33	< 1	Eye Irrit. 2, H319 Skin Sens. 1B, H317
Hexyl Cinnamal	(CAS No) 101-86-0 (EC No) 202-983-3 (REACH-no) 01-2119533092-50	< 1	Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Limonene	(CAS No) 5989-27-5 (EC No) 227-813-5 (EC Index No) 601-029-00-7 (REACH-no) 01-2119529223-47	< 1	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Linalool	(CAS No) 78-70-6 (EC No) 201-134-4 (REACH-no): No data available	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319

4.1. Description of first aid measures

Full text of H-statements: see section 16

SECTION 4: First aid measures

First-aid measures after inhalation	IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
First-aid measures after eye contact	IF IN EYES: 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	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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

Symptoms/effects after inhalation	Coughing, sneezing
Symptoms/effects after skin contact	Redness, swelling, dryness, itching
Symptoms/effects after eye contact	Pain, redness, swelling, itching
Symptoms/effects after ingestion	Oral mucosal or gastro-intestinal irritation, nausea, vomiting, excessive secretion, diarrhea

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

Refer to section 4.1.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

Fire hazard	No fire hazard. Non-combustible
Explosion hazard	Product is not explosive
Reactivity	Pain, redness, swelling, itching

5.3. Advice for firefighters

Firefighting instructions	No specific firefighting instructions required
Protection during firefighting	In case of inadequate ventilation wear respiratory protection

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable gloves and eye/face protection.

6.1.2. For emergency responders

Protective equipment: Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment	Scoop absorbed substance into closing containers
Methods for cleaning up	Small quantities of solid spill: wash down with water. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	Avoid contact with skin, eyes and clothing.

6.4. Reference to other sections

Refer to Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in original container. Refer to section 10.
Incompatible products	Refer to section 10.

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Incompatible materials	Refer to section 10.
Prohibitions on mixed storage	Not applicable.
Storage area	Store in a cool area. Store in a dry area.

7.3. Specific end use(s)

Refer to section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National limit values

No additional information available

8.1.2. Monitoring procedures: DNELS, PNECS, OEL

Alpha-Isomethyl Ionone (127-51-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	No data available
Acute - local effects, dermal	No data available
Long-term - systemic effects, inhalation	No data available
Long-term - systemic effects, dermal	No data available
Long-term - local effects, inhalation	No data available
Long-term - local effects, dermal	No data available
DNEL/DMEL (General population)	
Acute - local effects, inhalation	No data available
Acute - local effects, dermal	No data available
Acute - local effects, oral	No data available
Long-term - systemic effects, inhalation	No data available
Long-term - systemic effects, dermal	No data available
Long-term - systemic effects, oral	No data available
Long-term - local effects, inhalation	No data available
Long-term - local effects, dermal	No data available
PNEC (Water)	
PNEC aqua (freshwater)	No data available
PNEC aqua (marine water)	No data available
PNEC aqua (intermittent, freshwater)	No data available
PNEC (Sediment)	
PNEC sediment (freshwater)	No data available
PNEC sediment (marine water)	No data available
PNEC (Soil)	
PNEC soil	No data available
PNEC (STP)	
PNEC sewage treatment plant	No data available
Benzyl Salicylate (118-58-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.9 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.17 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.45 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.78 mg/m ³
Long-term - systemic effects, dermal	0.45 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.00103 mg/l
PNEC aqua (marine water)	0.000103 mg/l
PNEC aqua (intermittent, freshwater)	0.0103 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.583 mg/kg dwt
PNEC sediment (marine water)	0.0583 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.116 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

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Butylphenyl Methylpropional (80-54-6)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	20 mg/kg bodyweight/day
Acute - local effects, dermal	0.41 mg/cm ²
Acute - local effects, inhalation	0.29 mg/m ³
Long-term - systemic effects, inhalation	0.048 mg/m ³
Long-term - local effects, inhalation	0.048 mg/m ³
Long-term - systemic effects, dermal	3.33 mg/kg bodyweight/day
Long-term - local effects, dermal	0.41 mg/cm ²
DNEL/DMEL (General population)	
Acute - local effects, dermal	20 mg/kg bodyweight/day
Acute - local effects, dermal	0.41 mg/cm ²
Acute - local effects, inhalation	0.07 mg/m ³
Acute - local effects, oral	0.041 mg/cm ²
Long-term - systemic effects, inhalation	0.012 mg/m ³
Long-term - local effects, inhalation	0.012 mg/m ³
Long-term - systemic effects, dermal	1.67 mg/kg bodyweight/day
Long-term - local effects, dermal	0.41 mg/cm ²
Long-term - systemic effects, oral	0.007 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.00204 mg/l
PNEC aqua (marine water)	0.000204 mg/l
PNEC aqua (intermittent, freshwater)	0.0204 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0584 mg/kg dwt
PNEC sediment (marine water)	0.00584 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0463 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1.049 mg/l
Citronellol (106-22-9)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	2.95 mg/cm ²
Acute - local effects, inhalation	10 mg/m ³
Long-term - systemic effects, dermal	327.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	161.6 mg/m ³
Long-term - local effects, inhalation	10 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, dermal	2.95 mg/cm ²
Acute - local effects, inhalation	10 mg/m ³
Long-term - systemic effects, oral	13.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	47.8 mg/m ³
Long-term - systemic effects, dermal	196.4 mg/kg bodyweight/day
Long-term - local effects, inhalation	10 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.0024 mg/l
PNEC aqua (marine water)	0.00024 mg/l
PNEC aqua (intermittent, freshwater)	0.024 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.0256 mg/kg dwt
PNEC sediment (marine water)	0.00256 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.00371 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

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Coumarin (91-64-5)	
DNEL/DMEL (Workers)	
Long-term - local effects, dermal	0.79 mg/kg bw/day
Long-term - local effects, inhalation	6,78 mg/m ³
PNEC sewage treatment plant	580 mg/l
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.39 mg/kg bw/day
Long-term - systemic effects, inhalation	1,69 mg/m ³
Long-term - systemic effects, dermal	0.39 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0.019 mg/l
PNEC aqua (marine water)	0.0019 mg/l
PNEC aqua (intermittent, freshwater)	0.0142 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.15 mg/kg dwt
PNEC sediment (marine water)	0.015 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.018 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6.4 mg/l
Eugenol (97-53-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	21.2 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5.22 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.00113 mg/l
PNEC aqua (marine water)	0.000113 mg/l
PNEC aqua (intermittent, freshwater)	0.00113 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.081 mg/kg dwt
PNEC sediment (marine water)	0.0081 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0155 mg/kg dwt
Hexyl Cinnamal (101-86-0)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	0.525 mg/kg bodyweight
Acute - local effects, inhalation	6.28 mg/m ³
Long-term - systemic effects, dermal	18.2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.078 mg/m ³
Long-term - local effects, dermal	0.525 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Acute - local effects, dermal	0.0787 mg/kg bodyweight
Acute - local effects, inhalation	4.71 mg/m ³
Long-term - systemic effects, oral	0.056 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.019 mg/m ³
Long-term - systemic effects, dermal	9.11 mg/kg bodyweight/day
Long-term - local effects, dermal	0.525 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.03 mg/l
PNEC aqua (marine water)	0.003 mg/l
PNEC aqua (intermittent, freshwater)	0.03 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	47.7 mg/kg dwt
PNEC sediment (marine water)	4.77 mg/kg dwt
PNEC (Soil)	
PNEC soil	9.51 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

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PNEC sewage treatment plant	580 mg/l
Limonene (5989-27-5)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	0.222 mg/cm ²
Long-term - systemic effects, inhalation	33.3 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, dermal	0.111 mg/cm ²
Long-term - systemic effects, oral	4.76 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8.33 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.0054 mg/l
PNEC aqua (marine water)	0.00054 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.32 mg/kg dwt
PNEC sediment (marine water)	0.13 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.262 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1.8 mg/l
Linalool (78-70-6)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	5 mg/kg bodyweight/day
Acute - local effects, dermal	15 mg/cm ²
Acute - local effects, inhalation	16.5 mg/m ³
Long-term - systemic effects, inhalation	2.8 mg/m ³
Long-term - systemic effects, dermal	2.5 mg/kg bodyweight/day
Long-term - local effects, dermal	15 mg/cm ²
DNEL/DMEL (General population)	
Acute - local effects, dermal	2.5 mg/kg bodyweight/day
Acute - local effects, dermal	15 mg/cm ²
Acute - local effects, inhalation	4.1 mg/m ³
Acute - local effects, oral	1.2 mg/cm ²
Long-term - systemic effects, inhalation	0.7 mg/m ³
Long-term - systemic effects, dermal	1.25 mg/kg bodyweight/day
Long-term - local effects, dermal	15 mg/cm ²
Long-term - systemic effects, oral	0.2 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.2 mg/l
PNEC aqua (marine water)	0.02 mg/l
PNEC aqua (intermittent, freshwater)	2 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2.22 mg/kg dwt
PNEC sediment (marine water)	0.222 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.327 mg/kg dwt

8.2. Exposure controls

8.2.1. Appropriate engineering controls: Not applicable.

8.2.2. Personal protective equipment

Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.

Hand protection: Not applicable
 Eye protection: Not applicable
 Skin and body protection: Not applicable
 Respiratory protection: Not applicable

8.2.3. Environmental exposure controls

Prevent that the undiluted product reaches surface waters.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Unit	Test method/Notes
Appearance	Solid		
Physical state	Solid		
Color	Colored		
Odor	Pleasant (perfume)		
Odor threshold			Perceived odor at typical use conditions
pH	6.0-8.0		
Melting point	N/A	Degrees Celsius	Not available. This property is not relevant for the safety and classification of this product
Freezing point	N/A	Degrees Celsius	Not available. This property is not relevant for the safety and classification of this product
Boiling point	N/A	Degrees Celsius	Not applicable. This property is not relevant for solid product forms.
Flash point	N/A	Degrees Celsius	Not applicable. This property is not relevant for solid product forms.
Relative evaporation rate (butyl acetate=1)	N/A		Not applicable. This property is not relevant for solid product forms.
Relative evaporation rate (ether=1)	N/A		Not applicable. This property is not relevant for solid product forms.
Flammability (solid, gas)			The product is not flammable- UN.N.1
Explosive limits	N/A	vol %	Not available. This property is not relevant for the safety and classification of this product
Vapor pressure	N/A		Not applicable. This property is not relevant for solid product forms.
Property	Value	Unit	Test method/Notes
Relative density	1.1 - 1.6	g/cm ³	
Solubility	Soluble in water		
Log Pow	N/A		Not applicable. This property is not relevant for mixtures
Auto-ignition temperature	N/A	Degrees Celsius	Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature	N/A	Degrees Celsius	Not available. This property is not relevant for the safety and classification of this product
Viscosity	N/A	cP	Not applicable. This property is not relevant for solid product forms.
Explosive properties	Not applicable. This product is not classified as explosive as it does not contain any substances, which possess explosive properties CLP (Art 14 (2)).		
Oxidizing properties	Not applicable. This product is not classified as oxidizing as it does not contain any substances, which possess oxidizing properties CLP (Art 14 (2)).		

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Not required for normal conditions of use.

10.5. Incompatible materials

Not applicable

10.6. Hazardous decomposition products

None under normal use

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.2 Mixture

Value Smart Scent Boosters (Fresh Scent)	
Acute toxicity	Not classified (*)
Skin corrosion/irritation	Not classified (*)
Serious eye damage/irritation	Not classified (*)
Respiratory or skin sensitization	Not classified (*)
Germ cell mutagenicity	Not classified (*)
Carcinogenicity	Not classified (*)
Specific target organ toxicity (single exposure)	Not classified (*)
Specific target organ toxicity (repeated exposure)	Not classified (*)
Aspiration hazard	Not classified (*)

(*) Based upon available data of the substances and/or the product, product classification criteria are not met. See Section 2 and Section 16 for applicable hazard classification and classification procedure, respectively.

11.1.2 Substances in the mixture

Based upon available data of the substances, classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Ecology (general): Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Alpha-Isomethyl Ionone (127-51-5)	
LC ₅₀ fishes 1	10.9 mg/l (96 h, <i>Oncorhynchus mykiss</i> (rainbow trout, OECD Test Guideline 203)
LC ₁₀₀ fishes 2	15.3 mg/l (96 h, <i>Oncorhynchus mykiss</i> (rainbow trout, OECD Test Guideline 203)
EC ₅₀ Daphnia 1	9 mg/l (48 h, <i>Daphnia magna</i> (Water flea), OECD Test Guideline 202)
EC ₅₀ (algae)	>100 mg/l (72 h, <i>Desmodesmus subspicatus</i> (green algae), OECD Test Guideline 201)
Benzyl Salicylate (118-58-1)	
LC ₅₀ fishes 1	1.03 mg/l (EC440/2008 C.1; <i>Danio rerio</i> ; 96 h)
EC ₅₀ Daphnia 1	1.16 mg/l (OECD 202; <i>Daphnia magna</i> ; 48 h)
ErC ₅₀ (algae)	1.29 mg/l (OECD 201; <i>Pseudokirchneriella subcapitata</i> ; 72 h)
NOEC chronic algae	0.502 mg/l (OECD 201; <i>Pseudokirchneriella subcapitata</i> ; 3 d)
Butylphenyl Methylpropional (80-54-6)	
LC ₅₀ fishes 1	2.2 - 4.6 mg/l (EC440/2008 C.1; <i>Danio rerio</i> ; 96 h)
NOEC (fish)	1.28 mg/l (96 hours)
EC ₅₀ Daphnia 1	10.7 mg/l (OECD 202; <i>Daphnia magna</i> ; 48 h)
EC ₅₀ (algae)	29.155 mg/l (72 hours)

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Citronellol (106-22-9)	
LC ₅₀ fishes 1	14.66 mg/l (DIN 38 412, part L15; <i>Leuciscus idus</i> ; 96 h)
LC ₅₀ other aquatic organisms 1	> 10000 mg/l (DIN 38412, Part 27; <i>Pseudomonas putida</i> ; 0.5 h)
EC ₅₀ Daphnia 1	17.48 mg/l (EC 440/2008 C.2; <i>Daphnia magna</i> ; 48 h)
ErC ₅₀ (algae)	2.4 mg/l (<i>Scenedesmus subspicatus</i> ; 72 h)
NOEC (chronic)	580 mg/l (DIN 38412, Part 27; <i>Pseudomonas putida</i> ; 0.02083 d)
NOEC chronic algae	1.1 mg/l (<i>Scenedesmus subspicatus</i> ; 3 d)
Coumarin (91-64-5)	
LC ₅₀ fish 1	2.94 mg/l (96 h, Pisces, QSAR)
EC ₅₀ Daphnia 1	24.3-36.9 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
Eugenol (97-53-0)	
LC ₅₀ fishes 1	LC ₅₀ >10 mg/l (<i>Oncorhynchus mykiss</i> ; 96 hr)
LC ₅₀ fishes 2	LC ₅₀ = 61.5 mg/L/24 hr (<i>Oncorhynchus mykiss</i> ; 24 hr)
LC ₅₀ fishes 3	LC ₅₀ = 67.6 mg/L/96 hr (<i>Oncorhynchus kisutch</i> ; 96 hr)
EC ₅₀ Daphnia 1	1.11 mg/l (48 hr)
EC ₅₀ (algae)	24 mg/l <i>Scenedesmus subspicatus</i> ; 72 h
Hexyl Cinnamal (101-86-0)	
LC ₅₀ fishes 1	1.7 mg/l (OECD 203, <i>Pimephales promelas</i>)
NOEC fishes 1	0.93 mg/l (OECD 203, <i>Pimephales promelas</i>)
IC ₅₀ (algae)	> 0.32 mg/l (OECD 201, <i>Desmodesmus subspicatus</i>)
(Limonene (5989-27-5)	
LC ₅₀ fishes 1	0.72 mg/l (//OECD 203; <i>Pimephales promelas</i> ; 96 h)
LC ₅₀ other aquatic organisms 1	209 mg/l (OECD 209; 3 h)
EC ₅₀ Daphnia 1	0.36 mg/l (OECD 202; <i>Daphnia magna</i> ; 48 h)
ErC ₅₀ (algae)	150 mg/l (OECD 201; <i>Desmodesmus subspicatus</i> ; 72 h)
NOEC (chronic)	18 mg/l (OECD 209; 0.125 d)
NOEC chronic algae	50 mg/l (OECD 201; <i>Desmodesmus subspicatus</i> ; 3 d)
Linalool (78-70-6)	
LC ₅₀ fishes 1	27.8 mg/l (<i>Oncorhynchus mykiss</i> ; 96 hr)
LC ₅₀ fishes 2	28.8 mg/l (<i>Oncorhynchus mykiss</i> ; 96 hr)
LC ₅₀ fishes 3	36.8 mg/l (<i>Lepomis macrochirus</i> ; 96 hr)
EC ₅₀ Daphnia 1	59 mg/l (OECD 202, 48 h, static)
EC ₅₀ Daphnia 2	60 mg/l (84/449/EEC, C.2, 24 h, static with emulsifier)
EC ₅₀ Daphnia 1	20 mg/l (84/449/EEC, C.2, 48 h, static with emulsifier)
EC ₅₀ (algae)	88.3 mg/l (<i>Scenedesmus subspicatus</i> ; 96 h)

12.2. Persistence and degradability

Alpha-Isomethyl Ionone (127-51-5)	
Persistence and degradability	Biodegradable
Biodegradation	61.8%; OECD 301 B (ThCO ₂ ; CO ₂ Evolution -- Modified Sturm Test)
Benzyl Salicylate (118-58-1)	
Persistence and degradability	Biodegradable.
Biodegradation	93% O ₂ ; OECD 301 F; 87% (10 d)
Butylphenyl Methylpropional (80-54-6)	
Persistence and degradability	Biodegradable
Biodegradation	68% O ₂ ; OECD 301 F
Citronellol (106-22-9)	
Persistence and degradability	Biodegradable.
Biodegradation	80% O ₂ ; OECD 301 F
Coumarin (91-64-5)	
Persistence and degradability	Biodegradable
Eugenol (97-53-0)	
Persistence and degradability	Biodegradable
Biodegradation	82% O ₂ ; OECD 301 D
Hexyl Cinnamal (101-86-0)	
Persistence and degradability	Biodegradable
Biodegradation	97% O ₂ ; OECD 301 F
Limonene (5989-27-5)	
Persistence and degradability	Biodegradable.
Biodegradation	80% O ₂ ; OECD 301 D
Linalool (78-70-6)	
Persistence and degradability	Biodegradable
Biodegradation	64.2% O ₂ ; OECD 301 D

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12.3. Bioaccumulative Potential

Alpha-Isomethyl Ionone (127-51-5)	
Log P _(ow)	4.6
Bioaccumulative potential	May bioaccumulate in fish and other aquatic organisms
Benzyl Salicylate (118-58-1)	
Log P _(ow)	4.3
Bioaccumulative potential	May bioaccumulate in fish and other aquatic organisms
Butylphenyl Methylpropional (80-54-6)	
Log P _(ow)	4.2
Bioaccumulative potential	May bioaccumulate in fish and other aquatic organisms
Citronellol (106-22-9)	
Log P _(ow)	1.39
Bioaccumulative potential	Not expected to bioaccumulate due to the low log P _(ow) (log P _(ow) < 4)
Coumarin (91-64-5)	
Log P _(ow)	1.63
Bioaccumulative potential	Not expected to bioaccumulate due to the low log P _(ow) (log P _(ow) < 4)
Eugenol (97-53-0)	
Log P _(ow)	2.49
Bioaccumulative potential	Not expected to bioaccumulate due to the low log P _(ow) (log P _(ow) < 4)
Hexyl Cinnamal (101-86-0)	
Log P _(ow)	4.82
Bioaccumulative potential	May bioaccumulate in fish and other aquatic organisms
Limonene (5989-27-5)	
Log P _(ow)	4.38
Bioaccumulative potential	May bioaccumulate in fish and other aquatic organisms
Linalool (78-70-6)	
Log P _(ow)	2.97
Bioaccumulative potential	Not expected to bioaccumulate due to the low log P _(ow) (log P _(ow) < 4)

12.4. Mobility in soil

Alpha-Isomethyl Ionone (127-51-5)	
Mobility in soil	6278 = Low mobility
Benzyl Salicylate (118-58-1)	
Mobility in soil	5623 = Low mobility
Butylphenyl Methylpropional (80-54-6)	
Mobility in soil	1285 = Low mobility
Citronellol (106-22-9)	
Mobility in soil	94 = High mobility
Coumarin (91-64-5)	
Mobility in soil	1.63 = High mobility
Eugenol (97-53-0)	
Mobility in soil	340 = Moderate mobility
Hexyl Cinnamal (101-86-0)	
Mobility in soil	2301 = Low mobility
Limonene (5989-27-5)	
Mobility in soil	1100 = Low mobility
Linalool (78-70-6)	
Mobility in soil	75 = High mobility

12.5. Results of PBT and vPvB assessment

Value Smart Scent Boosters (Fresh Scent): No presence of PBT and vPvB ingredients

Alpha-Isomethyl Ionone (127-51-5)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Benzyl Salicylate (118-58-1)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Butylphenyl Methylpropional (80-54-6)	

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Citronellol (106-22-9)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Coumarin (91-64-5)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Eugenol (97-53-0)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Hexyl Cinnamal (101-86-0)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Limonene (5989-27-5)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Linalool (78-70-6)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other information: No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1.	Regional legislation (waste)	Disposal must be done according to official regulations.
13.1.2	Disposal recommendations	The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.
13.1.3	EURAL Waste code product	20 01 29* - detergents containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

CESIO recommendations	Not applicable.
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Other information, restriction and prohibition regulations	Classification according to Regulation (EC) No. 1272/2008 [CLP]. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

16.1. Indication of changes

Reason for the revision of the SDS: New issuance

16.2. Abbreviations and acronyms

LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC(s): Predicted No Effect Concentration(s). vPvB: Very Persistent and Very Bioaccumulative. AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate. OEL: Occupational Exposure Limit. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. DNEL: Derived-No Effect Level.

16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Classification procedure
Aquatic Chronic 3	Calculation method

16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitization — Skin, category 1
Skin Sens. 1B	Sensitization — Skin, category 1B
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
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
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains . May produce an allergic reaction.

16.5. Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

16.6. Further information

Salts listed in Section 3 without a REACH registration number are exempt, based on Annex V

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.