



Taski Sprint Flower SD

Revision: 2019-02-07

Version: 04.0

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

1.1 Product identifier

Trade name: Taski Sprint Flower SD

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

Identified uses:

For professional use only.

AISE-P301 - General purpose cleaner. Manual process

AISE-P302 - General purpose cleaner. Spray and wipe manual process

Uses advised against: Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssebroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details

Diversey Hygiene Sales Limited
Jamestown Road, Finglas, Dublin 11, Ireland
Tel: 01 8081808 (9am - 5pm Mon-Fri)
Email: dublin.orders@diversey.com

1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)

National Poisons Information Centre

Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)

Tel: 01 809 2566 (health care professionals)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Flam. Liq. 3 (H226)

STOT SE 3 (H336)

Eye Dam. 1 (H318)

Skin Irrit. 2 (H315)

Skin Sens. 1 (H317)

Aquatic Chronic 3 (H412)

2.2 Label elements



Signal word: Danger.

Contains sulphonic acids, C14-17-sec-alkane, sodium salts (Sodium C14-17 Alkyl Sec Sulfonate), cineole (Eucalyptol), 4-tert-butylcyclohexyl acetate (4-tert-butylcyclohexyl acetate), alkyl alcohol ethoxylate (Trideceth-8), propan-2-ol (Isopropyl Alcohol), p-mentha-1,4(8)-diene (Terpinolene)

Hazard statements:

H226 - Flammable liquid and vapour.

H336 - May cause drowsiness or dizziness.

H318 - Causes serious eye damage.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 - Wear protective gloves and eye or face protection.

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P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTRE, doctor or physician.
P403 + P235 - Store in a well-ventilated place. Keep cool.

2.3 Other hazards

No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients**3.2 Mixtures**

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
propan-2-ol	200-661-7	67-63-0	01-2119457558-25	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)		20-30
sulphonic acids, C14-17-sec-alkane, sodium salts	307-055-2	97489-15-1	01-2119489924-20	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		10-20
alkyl alcohol ethoxylate	[4]	69011-36-5	[4]	Acute Tox. 4 (H302) Eye Dam. 1 (H318)		3-10
p-menth-1-en-8-ol	202-680-6	98-55-5	01-2119553062-49	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		3-10
terpineol	232-268-1	8000-41-7	01-2119553062-49	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		1-3
(2-methoxymethylethoxy)propanol	252-104-2	34590-94-8	01-2119450011-60	Not classified as hazardous		1-3
4-tert-butylcyclohexyl acetate	250-954-9	32210-23-4	01-2119976286-24	Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)		1-3
cineole	207-431-5	470-82-6	01-2119967772-24	Flam. Liq. 3 (H226) Skin Sens. 1B (H317)		1-3
p-mentha-1,4(8)-diene	209-578-0	586-62-9	-	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)		0.1-1
Methyl cinnamate	203-093-8	103-26-4	-	Skin Sens. 1B (H317)		0.1-1
Benzene, 1-methoxy-4-(1-propenyl)-	203-205-5	104-46-1	-	Skin Sens. 1B (H317)		0.1-1
pentyl salicylate	218-080-2	2050-08-0	01-2119969444-27	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1
piperonal	204-409-7	120-57-0	01-2119983608-21	Skin Sens. 1B (H317)		0.1-1
citral	226-394-6	5392-40-5	-	Skin Irrit. 2 (H315) Skin Sens. 1A (H317)		0.01-0.1

Workplace exposure limit(s), if available, are listed in subsection 8.1.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General Information:**

Symptoms of intoxication may even occur after several hours. It is recommended to continue medical observation for at least 48 hours after the incident.

Inhalation:

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE, doctor or physician if you feel unwell.

Skin contact:

Take off immediately all contaminated clothing and wash it before re-use.

Eye contact:

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed**Inhalation:**

May cause drowsiness or dizziness.

Skin contact:

Causes irritation. May cause an allergic skin reaction.

Eye contact:

Causes severe or permanent damage.

Ingestion:

No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

No special hazards known.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

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

Turn off all sources of ignition. Ventilate the area. Wear suitable gloves and eye/face protection.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

Keep away from flames and hot surfaces. No smoking. Keep away from heat. Take precautionary measures against static discharges.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Take off contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Store used personal protective equipment separately. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a well-ventilated place. Store in a closed container. Keep only in original packaging. Keep cool. Keep away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Ingredient(s)	Long term value(s)	Short term value(s)
propan-2-ol	200 ppm	400 ppm
(2-methoxymethylethoxy)propanol	50 ppm 308 mg/m ³	150 ppm 924 mg/m ³
citral	5 ppm	15 ppm

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values**Human exposure**

DNEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-2-ol	-	-	-	26
sulphonic acids, C14-17-sec-alkane, sodium salts	-	-	-	7.1
alkyl alcohol ethoxylate	-	-	-	-
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	-	-	-	1.67
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

DNEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
propan-2-ol	No data available	-	No data available	888
sulphonic acids, C14-17-sec-alkane, sodium salts	2.8 mg/cm ² skin	-	2.8 mg/cm ² skin	5
alkyl alcohol ethoxylate	-	-	-	-
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	-	No data available	65
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
propan-2-ol	No data available	-	-	319
sulphonic acids, C14-17-sec-alkane, sodium salts	2.8 mg/cm ² skin	-	2.8 mg/cm ² skin	3.57
alkyl alcohol ethoxylate	-	-	-	-
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	-	No data available	15
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-2-ol	-	-	-	500
sulphonic acids, C14-17-sec-alkane, sodium salts	-	-	-	35
alkyl alcohol ethoxylate	-	-	-	No data available
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	-	-	-	310
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available

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pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
propan-2-ol	-	-	-	89
sulphonic acids, C14-17-sec-alkane, sodium salts	-	-	-	12.4
alkyl alcohol ethoxylate	No data available	No data available	-	-
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	-	-	-	37.2
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

Environmental exposure

Environmental exposure - PNEC

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
propan-2-ol	140.9	140.9	140.9	2251
sulphonic acids, C14-17-sec-alkane, sodium salts	0.04	0.004	0.06	600
alkyl alcohol ethoxylate	-	-	-	-
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	19	1.9	190	4168
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m ³)
propan-2-ol	552	552	28	-
sulphonic acids, C14-17-sec-alkane, sodium salts	9.4	0.94	9.4	0.06
alkyl alcohol ethoxylate	-	-	-	-
p-menth-1-en-8-ol	No data available	No data available	No data available	No data available
terpineol	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	70.2	7.02	2.74	190
4-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
cineole	No data available	No data available	No data available	No data available
p-mentha-1,4(8)-diene	No data available	No data available	No data available	No data available
Methyl cinnamate	No data available	No data available	No data available	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available	No data available	No data available	No data available
pentyl salicylate	No data available	No data available	No data available	No data available
piperonal	No data available	No data available	No data available	No data available
citral	No data available	No data available	No data available	No data available

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls: If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

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Personal protective equipment**Eye / face protection:**

Safety glasses or goggles (EN 166).

Hand protection:

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mmSuggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

No special requirements under normal use conditions.

Environmental exposure controls:

Should not reach sewage water or drainage ditch undiluted or unneutralised.

*Recommended safety measures for handling the diluted product:***Recommended maximum concentration (%):** 2**Appropriate engineering controls:**

Provide a good standard of general ventilation.

Appropriate organisational controls:

No special requirements under normal use conditions.

Personal protective equipment**Eye / face protection:**

No special requirements under normal use conditions.

Hand protection:

Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

No special requirements under normal use conditions.

Environmental exposure controls:

No special requirements under normal use conditions.

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

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark**Physical State:** Liquid**Colour:** Clear, Blue**Odour:** Perfumed**Odour threshold:** Not applicable**pH:** ≈ 7 (neat)**Dilution pH:** ≈ 7 **Melting point/freezing point (°C):** Not determined**Initial boiling point and boiling range (°C):** Not determined

ISO 4316

ISO 4316

Not relevant to classification of this product

See substance data

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
propan-2-ol	82	Method not given	1013
sulphonic acids, C14-17-sec-alkane, sodium salts	> 100	Method not given	
alkyl alcohol ethoxylate	> 200	Method not given	
p-menth-1-en-8-ol	No data available		
terpineol	No data available		
(2-methoxymethylethoxy)propanol	189.6	Method not given	1013
4-tert-butylcyclohexyl acetate	No data available		
cineole	No data available		
p-mentha-1,4(8)-diene	No data available		
Methyl cinnamate	No data available		
Benzene, 1-methoxy-4-(1-propenyl)-	No data available		
pentyl salicylate	No data available		
piperonal	No data available		
citral	No data available		

Method / remark**Flammability (liquid):** Flammable.**Flash point (°C):** ≈ 26 **Sustained combustion:** Not applicable.

(UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not relevant for classification of this product.**Flammability (solid, gas):** Not applicable to liquids

closed cup

Not relevant to classification of this product

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Upper/lower flammability limit (%): Not determined

See substance data

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propan-2-ol	2	13
(2-methoxymethylethoxy)propanol	1.1	14

Vapour pressure: Not determined**Method / remark**

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
propan-2-ol	4200	Method not given	20
sulphonic acids, C14-17-sec-alkane, sodium salts	3000	Method not given	25
alkyl alcohol ethoxylate	Negligible	Method not given	20-25
p-menth-1-en-8-ol	No data available		
terpineol	No data available		
(2-methoxymethylethoxy)propanol	5500	Method not given	20
4-tert-butylcyclohexyl acetate	No data available		
cineole	No data available		
p-mentha-1,4(8)-diene	101	OECD 104 (EU A.4)	20
Methyl cinnamate	No data available		
Benzene, 1-methoxy-4-(1-propenyl)-	No data available		
pentyl salicylate	No data available		
piperonal	No data available		
citral	No data available		

Vapour density: Not determined**Relative density:** ≈ 0.97 (20 °C)**Solubility in / Miscibility with Water:** Fully miscible**Method / remark**

Not relevant to classification of this product

OECD 109 (EU A.3)

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
propan-2-ol	Soluble	Method not given	
sulphonic acids, C14-17-sec-alkane, sodium salts	500	Method not given	25
alkyl alcohol ethoxylate	Soluble	Method not given	20
p-menth-1-en-8-ol	No data available		
terpineol	No data available		
(2-methoxymethylethoxy)propanol	Soluble	Method not given	20
4-tert-butylcyclohexyl acetate	No data available		
cineole	No data available		
p-mentha-1,4(8)-diene	No data available		
Methyl cinnamate	No data available		
Benzene, 1-methoxy-4-(1-propenyl)-	No data available		
pentyl salicylate	No data available		
piperonal	No data available		
citral	No data available		

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Autoignition temperature: Not determined**Decomposition temperature:** Not applicable.**Viscosity:** Not determined**Explosive properties:** Not explosive. Vapours may form explosive mixtures with air.**Oxidising properties:** Not oxidising.**Method / remark**

DM-006 Viscosity - Additional

9.2 Other information**Surface tension (N/m):** Not determined**Corrosion to metals:** Not corrosive

Not relevant to classification of this product

Weight of evidence

Substance data, dissociation constant, if available:

SECTION 10: Stability and reactivity**10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

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10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

None known under normal use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Mixture data:.

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

Substance data, where relevant and available, are listed below:.

Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
propan-2-ol	LD ₅₀	3570	Rat	Method not given	
sulphonic acids, C14-17-sec-alkane, sodium salts	LD ₅₀	> 2000	Rat	OECD 401 (EU B.1) Read across	
alkyl alcohol ethoxylate	LD ₅₀	> 300-2000	Rat	OECD 423 (EU B.1 tris)	
p-menth-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	LD ₅₀	> 4000	Rat	Method not given	
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
propan-2-ol	LD ₅₀	> 2000	Rabbit	Method not given	
sulphonic acids, C14-17-sec-alkane, sodium salts	LD ₅₀	> 2000	Mouse	Weight of evidence	
alkyl alcohol ethoxylate	LD ₅₀	> 2000	Rabbit	Method not given	
p-menth-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	LD ₅₀	9510	Rabbit	Method not given	
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data			

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		available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	LC ₅₀	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			
alkyl alcohol ethoxylate		No data available			
p-menth-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	LC ₅₀	> 1.667 (vapour) No mortality observed	Rat		7
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
sulphonic acids, C14-17-sec-alkane, sodium salts	Irritant	Rabbit	OECD 404 (EU B.4) Read across	
alkyl alcohol ethoxylate	Not irritant	Rabbit	OECD 404 (EU B.4)	
p-menth-1-en-8-ol	No data available			
terpineol	No data available			
(2-methoxymethylethoxy)propanol	Not irritant		Method not given	
4-tert-butylcyclohexyl acetate	No data available			
cineole	No data available			
p-mentha-1,4(8)-diene	No data available			
Methyl cinnamate	No data available			
Benzene, 1-methoxy-4-(1-propenyl)-	No data available			
pentyl salicylate	No data available			
piperonal	No data available			
citral	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
sulphonic acids, C14-17-sec-alkane, sodium salts	Severe damage		OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	Severe damage	Rabbit	Method not given	
p-menth-1-en-8-ol	No data available			
terpineol	No data available			
(2-methoxymethylethoxy)propanol	Not corrosive or irritant		Method not given	
4-tert-butylcyclohexyl acetate	No data available			
cineole	No data available			
p-mentha-1,4(8)-diene	No data available			
Methyl cinnamate	No data available			

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Benzene, 1-methoxy-4-(1-propenyl)-	No data available			
pentyl salicylate	No data available			
piperonal	No data available			
citral	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	No data available			
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available			
alkyl alcohol ethoxylate	No data available			
p-menth-1-en-8-ol	No data available			
terpineol	No data available			
(2-methoxymethylethoxy)propanol	No data available			
4-tert-butylcyclohexyl acetate	No data available			
cineole	No data available			
p-mentha-1,4(8)-diene	No data available			
Methyl cinnamate	No data available			
Benzene, 1-methoxy-4-(1-propenyl)-	No data available			
pentyl salicylate	No data available			
piperonal	No data available			
citral	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
sulphonic acids, C14-17-sec-alkane, sodium salts	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT Read across	
alkyl alcohol ethoxylate	Not sensitising	Guinea pig	Method not given	
p-menth-1-en-8-ol	No data available			
terpineol	No data available			
(2-methoxymethylethoxy)propanol	Not sensitising		Method not given	
4-tert-butylcyclohexyl acetate	No data available			
cineole	No data available			
p-mentha-1,4(8)-diene	No data available			
Methyl cinnamate	No data available			
Benzene, 1-methoxy-4-(1-propenyl)-	No data available			
pentyl salicylate	No data available			
piperonal	No data available			
citral	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
propan-2-ol	No data available			
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available			
alkyl alcohol ethoxylate	No data available			
p-menth-1-en-8-ol	No data available			
terpineol	No data available			
(2-methoxymethylethoxy)propanol	No data available			
4-tert-butylcyclohexyl acetate	No data available			
cineole	No data available			
p-mentha-1,4(8)-diene	No data available			
Methyl cinnamate	No data available			
Benzene, 1-methoxy-4-(1-propenyl)-	No data available			
pentyl salicylate	No data available			
piperonal	No data available			
citral	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
propan-2-ol	No evidence for mutagenicity, negative test results No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13)	No evidence of genotoxicity, negative test results	OECD 474 (EU B.12)
sulphonic acids, C14-17-sec-alkane, sodium salts	No evidence for mutagenicity, negative test results	Method not given	No evidence for mutagenicity, negative test results	Method not given

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alkyl alcohol ethoxylate	No evidence of genotoxicity, negative test results	Method not given	No evidence of genotoxicity, negative test results	Method not given
p-menth-1-en-8-ol	No data available		No data available	
terpineol	No data available		No data available	
(2-methoxymethylethoxy)propanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
4-tert-butylcyclohexyl acetate	No data available		No data available	
cineole	No data available		No data available	
p-mentha-1,4(8)-diene	No data available		No data available	
Methyl cinnamate	No data available		No data available	
Benzene, 1-methoxy-4-(1-propenyl)-	No data available		No data available	
pentyl salicylate	No data available		No data available	
piperonal	No data available		No data available	
citral	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
propan-2-ol	No data available
sulphonic acids, C14-17-sec-alkane, sodium salts	No evidence for carcinogenicity, negative test results
alkyl alcohol ethoxylate	No evidence for carcinogenicity, weight-of-evidence
p-menth-1-en-8-ol	No data available
terpineol	No data available
(2-methoxymethylethoxy)propanol	No evidence for carcinogenicity, negative test results
4-tert-butylcyclohexyl acetate	No data available
cineole	No data available
p-mentha-1,4(8)-diene	No data available
Methyl cinnamate	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available
pentyl salicylate	No data available
piperonal	No data available
citral	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
propan-2-ol			No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts			No data available				No evidence for reproductive toxicity
alkyl alcohol ethoxylate	NOAEL	Teratogenic effects	> 50	Rat	Not known		No known significant effects or critical hazards
p-menth-1-en-8-ol			No data available				
terpineol			No data available				
(2-methoxymethylethoxy)propanol			No data available				No evidence for reproductive toxicity
4-tert-butylcyclohexyl acetate			No data available				
cineole			No data available				
p-mentha-1,4(8)-diene			No data available				
Methyl cinnamate			No data available				
Benzene, 1-methoxy-4-(1-propenyl)-			No data available				
pentyl salicylate			No data available				
piperonal			No data available				
citral			No data available				

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-2-ol		No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts	NOAEL	200	Rat	Method not given		
alkyl alcohol ethoxylate		No data available				

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p-menth-1-en-8-ol		No data available				
terpineol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
4-tert-butylcyclohexyl acetate		No data available				
cineole		No data available				
p-mentha-1,4(8)-diene		No data available				
Methyl cinnamate		No data available				
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				
pentyl salicylate		No data available				
piperonal		No data available				
citral		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-2-ol		No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
4-tert-butylcyclohexyl acetate		No data available				
cineole		No data available				
p-mentha-1,4(8)-diene		No data available				
Methyl cinnamate		No data available				
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				
pentyl salicylate		No data available				
piperonal		No data available				
citral		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
propan-2-ol		No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
4-tert-butylcyclohexyl acetate		No data available				
cineole		No data available				
p-mentha-1,4(8)-diene		No data available				
Methyl cinnamate		No data available				
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				
pentyl salicylate		No data available				

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piperonal		No data available				
citral		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
propan-2-ol			No data available					
sulphonic acids, C14-17-sec-alkane, sodium salts	Oral	NOAEL	> 4000	Rat	Method not given			
alkyl alcohol ethoxylate	Oral	NOAEL	50	Rat	Method not given	24 month(s)	Effects on organ weights	
p-menth-1-en-8-ol			No data available					
terpineol			No data available					
(2-methoxymethylethoxy)propanol			No data available					
4-tert-butylcyclohexyl acetate			No data available					
cineole			No data available					
p-mentha-1,4(8)-diene			No data available					
Methyl cinnamate			No data available					
Benzene, 1-methoxy-4-(1-propenyl)-			No data available					
pentyl salicylate			No data available					
piperonal			No data available					
citral			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
propan-2-ol	No data available
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available
alkyl alcohol ethoxylate	Not applicable
p-menth-1-en-8-ol	No data available
terpineol	No data available
(2-methoxymethylethoxy)propanol	No data available
4-tert-butylcyclohexyl acetate	No data available
cineole	No data available
p-mentha-1,4(8)-diene	No data available
Methyl cinnamate	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available
pentyl salicylate	No data available
piperonal	No data available
citral	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
propan-2-ol	No data available
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available
alkyl alcohol ethoxylate	Not applicable
p-menth-1-en-8-ol	No data available
terpineol	No data available
(2-methoxymethylethoxy)propanol	No data available
4-tert-butylcyclohexyl acetate	No data available
cineole	No data available
p-mentha-1,4(8)-diene	No data available
Methyl cinnamate	No data available
Benzene, 1-methoxy-4-(1-propenyl)-	No data available
pentyl salicylate	No data available
piperonal	No data available
citral	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information**12.1 Toxicity**

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	LC ₅₀	> 100	<i>Pimephales promelas</i>	Method not given	48
sulphonic acids, C14-17-sec-alkane, sodium salts	LC ₅₀	1 - 10	<i>Brachydanio rerio</i>	OECD 203 (EU C.1)	96
alkyl alcohol ethoxylate	LC ₅₀	1 - 10	<i>Cyprinus carpio</i>	OECD 203 (EU C.1)	96
p-mentha-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	LC ₅₀	> 1000	<i>Poecilia reticulata</i>	Method not given	96
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	EC ₅₀	> 100	<i>Daphnia magna</i> Straus	Method not given	48
sulphonic acids, C14-17-sec-alkane, sodium salts	EC ₅₀	9.81	<i>Daphnia magna</i> Straus	OECD 202 (EU C.2)	48
alkyl alcohol ethoxylate	EC ₅₀	1 - 10	<i>Daphnia magna</i> Straus	OECD 202, static	48
p-mentha-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	EC ₅₀	1919	<i>Daphnia magna</i> Straus	Method not given	48
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	EC ₅₀	> 100	<i>Scenedesmus</i>	Method not given	72

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			<i>quadricauda</i>		
sulphonic acids, C14-17-sec-alkane, sodium salts	EC ₅₀	> 61	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate	EC ₅₀	1 - 10	<i>Desmodesmus subspicatus</i>	OECD 201, static	72
p-menth-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	EC ₅₀	> 969	<i>Selenastrum capricornutum</i>	Method not given	72
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
propan-2-ol		No data available			-
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			-
alkyl alcohol ethoxylate		No data available			-
p-menth-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol		No data available			-
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			
Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
propan-2-ol	EC ₅₀	> 1000	Activated sludge	Method not given	
sulphonic acids, C14-17-sec-alkane, sodium salts	NOEC	600	<i>Pseudomonas putida</i>	DIN 38412 / Part 8	16 hour(s)
alkyl alcohol ethoxylate	EC ₁₀	> 10000	Activated sludge	DIN 38412 / Part 8	17 hour(s)
p-menth-1-en-8-ol		No data available			
terpineol		No data available			
(2-methoxymethylethoxy)propanol	EC ₁₀	4168	<i>Pseudomonas putida</i>	Method not given	
4-tert-butylcyclohexyl acetate		No data available			
cineole		No data available			
p-mentha-1,4(8)-diene		No data available			

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Methyl cinnamate		No data available			
Benzene, 1-methoxy-4-(1-propenyl)-		No data available			
pentyl salicylate		No data available			
piperonal		No data available			
citral		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propan-2-ol		No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		No data available				
(2-methoxymethylethoxy)propanol		No data available				
4-tert-butylcyclohexyl acetate		No data available				
cineole		No data available				
p-mentha-1,4(8)-diene		No data available				
Methyl cinnamate		No data available				
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				
pentyl salicylate		No data available				
piperonal		No data available				
citral		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
propan-2-ol		No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		No data available				
(2-methoxymethylethoxy)propanol	NOEC	> 0.5	<i>Daphnia magna</i>	Method not given	22 day(s)	
4-tert-butylcyclohexyl acetate		No data available				
cineole		No data available				
p-mentha-1,4(8)-diene		No data available				
Methyl cinnamate		No data available				
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				
pentyl salicylate		No data available				
piperonal		No data available				
citral		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	

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sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
p-menth-1-en-8-ol		No data available				
terpineol		No data available				
(2-methoxymethylethoxy)propanol		No data available			-	
4-tert-butylcyclohexyl acetate		No data available				
cineole		No data available				
p-mentha-1,4(8)-diene		No data available				
Methyl cinnamate		No data available				
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				
pentyl salicylate		No data available				
piperonal		No data available				
citral		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
sulphonic acids, C14-17-sec-alkane, sodium salts	NOEC	470	<i>Eisenia fetida</i>	OECD 222	56	
alkyl alcohol ethoxylate	NOEC	220	<i>Eisenia fetida</i>		-	
(2-methoxymethylethoxy)propanol		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			-	
alkyl alcohol ethoxylate	NOEC	10	<i>Lepidium sativum</i>	OECD 208	-	
(2-methoxymethylethoxy)propanol		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
(2-methoxymethylethoxy)propanol		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
propan-2-ol		No data available			-	
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
(2-methoxymethylethoxy)propanol		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
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propan-2-ol		No data available			-	
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
(2-methoxymethylethoxy)propanol		No data available			-	

12.2 Persistence and degradability**Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
(2-methoxymethylethoxy)propanol	< 1 day(s)	Method not given	Rapidly photodegradable	

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
sulphonic acids, C14-17-sec-alkane, sodium salts		Oxygen depletion	78 % in 28 day(s)	OECD 301E	Readily biodegradable
alkyl alcohol ethoxylate	Activated sludge, aerobe	CO ₂ production	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
p-menth-1-en-8-ol				OECD 310	Readily biodegradable
terpineol				OECD 301D	Readily biodegradable
(2-methoxymethylethoxy)propanol		Oxygen depletion	75 % in 28 day(s)	OECD 301F	Readily biodegradable
4-tert-butylcyclohexyl acetate				OECD 301B	Readily biodegradable
cineole				OECD 301F	Readily biodegradable
p-mentha-1,4(8)-diene				OECD 301D	Readily biodegradable
Methyl cinnamate					No data available
Benzene, 1-methoxy-4-(1-propenyl)-					No data available
pentyl salicylate					Not readily biodegradable.
piperonal					No data available
citral				OECD 301F	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potentialPartition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available		No bioaccumulation expected	
alkyl alcohol ethoxylate	-		No bioaccumulation expected	
p-menth-1-en-8-ol	No data available			
terpineol	No data available			
(2-methoxymethylethoxy)propanol	1.01	Method not given	Low potential for bioaccumulation	
4-tert-butylcyclohexyl acetate	No data available			
cineole	No data available			
p-mentha-1,4(8)-diene	No data available			
Methyl cinnamate	No data available			
Benzene, 1-methoxy-4-(1-propenyl)-	No data available			
pentyl salicylate	No data available			
piperonal	No data available			
citral	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
propan-2-ol	No data available				
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available				
alkyl alcohol ethoxylate	-			No bioaccumulation expected	
p-menth-1-en-8-ol	No data available				
terpineol	No data available				
(2-methoxymethylethoxy)propanol	No data available				

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y)propanol					
4-tert-butylcyclohexyl acetate	No data available				
cineole	No data available				
p-mentha-1,4(8)-diene	No data available				
Methyl cinnamate	No data available				
Benzene, 1-methoxy-4-(1-propenyl)-	No data available				
pentyl salicylate	No data available				
piperonal	No data available				
citral	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
sulphonic acids, C14-17-sec-alkane, sodium salts	No data available				
alkyl alcohol ethoxylate	No data available				Immobile in soil or sediment
p-menth-1-en-8-ol	No data available				
terpineol	No data available				
(2-methoxymethylethoxy)propanol	No data available				High potential for mobility in soil
4-tert-butylcyclohexyl acetate	No data available				
cineole	No data available				
p-mentha-1,4(8)-diene	No data available				
Methyl cinnamate	No data available				
Benzene, 1-methoxy-4-(1-propenyl)-	No data available				
pentyl salicylate	No data available				
piperonal	No data available				
citral	No data available				

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

20 01 29* - detergents containing dangerous substances.

European Waste Catalogue:**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number:** 1987**14.2 UN proper shipping name:**

Alcohols, n.o.s. (isopropanol)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 3

14.4 Packing group: III**14.5 Environmental hazards:**

Environmentally hazardous: No

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Marine pollutant: No

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:

ADR

Classification code: F1

Tunnel restriction code: D/E

Hazard identification number: 30

IMO/IMDG

EmS: F-E, S-D

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

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

EU regulations:

- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 648/2004 - Detergents regulation

Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII): Not applicable.

UFI: W8W0-90NN-C00Q-AQ60

Ingredients according to EC Detergents Regulation 648/2004

anionic surfactants, non-ionic surfactants 5 - 15 %
 perfumes, Citral, Limonene, Citronellol, Linalool, Alpha-Isomethyl Ionone, Geraniol, Coumarin,
 Benzyl Salicylate, Benzyl Benzoate

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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Reason for revision:

This data sheet contains changes from the previous version in section(s):, 2, 3, 4, 8, 16

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Full text of the H and EUH phrases mentioned in section 3:

- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H303 - May be harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H316 - Causes mild skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.
- H402 - Harmful 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.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration

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- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate
- LD50 - Lethal Dose, 50% / Median Lethal dose
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- EC50 - effective concentration, 50%
- NOEL - No observed effect level
- NOAEL - No observed adverse effect level
- OECD - Organization for Economic Cooperation and Development

End of Safety Data Sheet