Safety Data Sheet

According to Regulation (EC) No 1907/2006

TASKI Sprint Flower SD

Revision: 2021-03-14 **Version:** 06.0

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

Product use:	Hard surface cleaner. Odor Control - Residual action (hard surface). For professional use only.
Uses advised against:	Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :
AISE_SWED_PW_1_1
AISE_SWED_PW_10_1
AISE_SWED_PW_11_1
AISE_SWED_PW_19_1

UFI: W8W0-90NN-C00Q-AQ60

1.3 Details of the supplier of the safety data sheet
Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

Contact details
Diversey Ltd
Weston Favell Centre, Northampton NN3 8PD, United Kingdom
Tel: 01604 405311, Fax: 01604 406809
Regulatory Email: customerservice.uk@diversey.com

1.4 Emergency telephone number
Seek medical advice (show the label or safety data sheet where possible)
For medical or environmental emergency only:
call 0800 052 0185

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Flam. Liq. 3 (H226)
STOT SE 3 (H336)
Skin Irrit. 2 (H315)
Eye Dam. 1 (H318)

2.2 Label elements

Signal word: Danger.

Contains 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1) (Methylchloroisothiazolinone, Methylisothiazolinone), sulphonic acids, C14-17-sec-alkane, sodium salts (Sodium C14-17 Alkyl Sec Sulfonate), alkyl alcohol ethoxylate (Trideceth 7-10), propan-2-ol (Isopropyl Alcohol), cineole (Eucalyptol), 4-tert-butylcyclohexyl acetate (4-tert-butylcyclohexyl acetate)

Hazard statements:
H226 - Flammable liquid and vapour.
H336 - May cause drowsiness or dizziness.
H315 - Causes skin irritation.

H318 - Causes serious eye damage.
EUH208 - May produce an allergic reaction.

Precautionary statements:
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear eye or face protection.
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.

Further indications on the label:
Contains: preservative.

2.3 Other hazards
No other hazards known.

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
(2-methoxymethylethoxy)propanol	252-104-2	34590-94-8	01-2119450011-60	Not classified as hazardous		3-10
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	01-2119980717-23	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		1-3
terpineol	232-268-1	8000-41-7	01-2119553062-49	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		1-3
4-tert-butylcyclohexyl acetate	250-954-9	32210-23-4	01-2119976286-24	Skin Sens. 1B (H317) Aquatic Chronic 2 (H411)		0.1-1
cineole	207-431-5	470-82-6	01-2119967772-24	Flam. Liq. 3 (H226) Skin Sens. 1B (H317)		0.1-1
p-mentha-1,4(8)-diene	209-578-0	586-62-9	01-2119982324-34 , 01-2119982325-32	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	01-2119979458-16	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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	220-239-6 247-500-7	55965-84-9	[6]	Acute Tox. 2 (H310) Acute Tox. 2 (H330) Acute Tox. 3 (H301) Skin Corr. 1C (H314) EUH071 Eye Dam. 1 (H318) Skin Sens. 1A (H317) Aquatic Acute 1 M=100 (H400) Aquatic Chronic 1 M=100 (H410)		< 0.01

Specific concentration limits
sulphonic acids, C14-17-sec-alkane, sodium salts:
• Eye Dam. 1 (H318) >= 15% > Eye Irrit. 2 (H319) >= 10%
alkyl alcohol ethoxylate:
• Eye Dam. 1 (H318) >= 10% > Eye Irrit. 2 (H319) >= 1%
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1):
• Skin Sens. 1 (H317) >= 0.0015%
• Eye Dam. 1 (H318) >= 0.6% > Eye Irrit. 2 (H319) >= 0.06%
• Skin Corr. 1C (H314) >= 0.6% > Skin Irrit. 2 (H315) >= 0.06%

Workplace exposure limit(s), if available, are listed in subsection 8.1.
ATE, if available, are listed in section 11.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.
[6] Exempted: biocidal active. See Article 15a 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

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 reuse.

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.

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. Ensure adequate ventilation. Do not breathe dust or vapour. Wear suitable gloves. Wear eye/face protection.

6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation. Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

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 heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools.

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 adviced by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Take off contaminated clothing. 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.

Seveso - Lower Tier requirements (tonnes): 5000
Seveso - Upper Tier requirements (tonnes): 50000

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)	UK - Long term value(s)	UK - Short term value(s)
propan-2-ol	400 ppm 999 mg/m³	500 ppm 1250 mg/m³
(2-methoxymethylethoxy)propanol	50 ppm 308 mg/m³	150 ppm 924 mg/m³

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
(2-methoxymethylethoxy)propanol	-	-	-	36
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

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/cm² skin	-	2.8 mg/cm² skin	5
(2-methoxymethylethoxy)propanol	No data available	-	No data available	283
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

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/cm² skin	-	2.8 mg/cm² skin	3.57
(2-methoxymethylethoxy)propanol	No data available	-	No data available	15
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

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
(2-methoxymethylethoxy)propanol	-	-	-	308
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

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
(2-methoxymethylethoxy)propanol	-	-	-	37.2
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

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
(2-methoxymethylethoxy)propanol	19	1.9	190	4168
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
propan-2-ol	552	552	28	-
sulphonic acids, C14-17-sec-alkane, sodium salts	9.4	0.94	9.4	-
(2-methoxymethylethoxy)propanol	70.2	7.02	2.74	190
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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-	-	-	-

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:

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: No special requirements under normal use conditions.

REACH use scenarios considered for the undiluted product:

Contributing scenario, undiluted	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Automatic application in a dedicated closed system	AISE_SWED_PW_1_1	PW	PROC 1	60	ERC8a

Personal protective equipment
Eye / face protection: Safety glasses or goggles (EN 166).
Hand protection: Repeated or prolonged contact: 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 mm
Suggested 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 (% w/w): 2

Appropriate engineering controls: Provide a good standard of general ventilation.
Appropriate organisational controls: No special requirements under normal use conditions.

REACH use scenarios considered for the diluted product:

Contributing scenario, diluted	SWED	LCS	PROC	Duration (min)	ERC
Manual application by brushing, wiping or mopping	AISE_SWED_PW_10_1	PW	PROC 10	480	ERC8a
Spray application	AISE_SWED_PW_11_1	PW	PROC 11	60	ERC8a
Manual application	AISE_SWED_PW_19_1	PW	PROC 19	480	ERC8a

Personal protective equipment
Eye / face protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Body protection: No special requirements under normal use conditions.
Respiratory protection: Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available

Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted.

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: Product specific	
Odour threshold: Not applicable	
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	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	
(2-methoxymethylethoxy)propanol	189.6	Method not given	1013
alkyl alcohol ethoxylate	> 200	Method not given	
p-menth-1-en-8-ol	No data available		
terpineol	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		
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		

	Method / remark
Flammability (solid, gas): Not applicable to liquids	
Flammability (liquid): Flammable.	
Flash point (°C): ≈ 26 °C	open cup
Sustained combustion: The product sustains combustion	
(UN Manual of Tests and Criteria, section 32, L.2)	
Lower and upper explosion limit/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

	Method / remark
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
pH ≈ 7 (neat)	ISO 4316
Dilution pH: ≈ 7 (2 %)	ISO 4316
Kinematic viscosity: Not determined	DM-006 Viscosity - Additional
Solubility in / Miscibility with Water: Fully miscible	

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
(2-methoxymethylethoxy)propanol	Soluble	Method not given	20
alkyl alcohol ethoxylate	Soluble	Method not given	20
p-menth-1-en-8-ol	No data available		
terpineol	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		
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		

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

	Method / remark
Vapour pressure: Not determined	See substance data

Substance data, vapour pressure

Ingredient(s)	Value	Method	Temperature

	(Pa)		(°C)
propan-2-ol	4200	Method not given	20
sulphonic acids, C14-17-sec-alkane, sodium salts	3000	Method not given	25
(2-methoxymethylethoxy)propanol	5500	Method not given	20
alkyl alcohol ethoxylate	Negligible	Method not given	20-25
p-menth-1-en-8-ol	No data available		
terpineol	No data available		
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		
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available		

Method / remark

Relative density: ≈ 0.97 (20 °C) — OECD 109 (EU A.3)
Relative vapour density: -. — Not relevant to classification of this product
Particle characteristics: No data available. — Not applicable to liquids.

9.2 Other information
9.2.1 Information with regard to physical hazard classes
Explosive properties: Not explosive. Vapours may form explosive mixtures with air.
Oxidising properties: Not oxidising.
Corrosion to metals: Not corrosive — Weight of evidence

9.2.2 Other safety characteristics
No other relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

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): >5000
>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)	ATE (mg/kg)
propan-2-ol	LD_{50}	5840	Rat	OECD 401 (EU B.1)		Not established
sulphonic acids, C14-17-sec-alkane, sodium salts	LD_{50}	> 500-2000	Rat	OECD 401 (EU B.1)		4100

(2-methoxymethylethoxy)propanol	LD_{50}	> 5000	Rat	OECD 401 (EU B.1)		Not established
alkyl alcohol ethoxylate	LD_{50}	> 300-2000	Rat	OECD 423 (EU B.1 tris)		13000
p-menth-1-en-8-ol		No data available				Not established
terpineol	LD_{50}	4300	Rat	Method not given		Not established
4-tert-butylcyclohexyl acetate		3370	Rat	Method not given		1.2e+006
cineole		4500	Rat	OECD 401 (EU B.1)		1.6e+006
p-mentha-1,4(8)-diene		No data available				Not established
Methyl cinnamate		No data available				2.4e+006
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				Not established
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LD_{50}	64	Rat	Method not given		1.6e+007

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
propan-2-ol	LD_{50}	> 2000	Rabbit	Method not given		Not established
sulphonic acids, C14-17-sec-alkane, sodium salts	LD_{50}	> 2000	Mouse	Weight of evidence		Not established
(2-methoxymethylethoxy)propanol	LD_{50}	9510	Rabbit	Method not given		Not established
alkyl alcohol ethoxylate	LD_{50}	> 2000	Rabbit	Method not given		Not established
p-menth-1-en-8-ol		No data available				Not established
terpineol	LD_{50}	> 3000	Rabbit	Method not given		Not established
4-tert-butylcyclohexyl acetate		No data available				Not established
cineole		No data available				Not established
p-mentha-1,4(8)-diene		No data available				Not established
Methyl cinnamate		No data available				Not established
Benzene, 1-methoxy-4-(1-propenyl)-		No data available				Not established
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LD_{50}	87.12	Rabbit	Method not given		1.2e+007

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			
(2-methoxymethylethoxy)propanol	LC_{0}	> 1.667 (vapour) No mortality observed	Rat		7
alkyl alcohol ethoxylate		No data available			
p-menth-1-en-8-ol		No data available			
terpineol		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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LC_{50}	0.33	Rat		

Acute inhalative toxicity, continued

Ingredient(s)	ATE - inhalation, dust (mg/l)	ATE - inhalation, mist (mg/l)	ATE - inhalation, vapour (mg/l)	ATE - inhalation, gas (mg/l)
propan-2-ol	Not established	Not established	Not established	Not established
sulphonic acids, C14-17-sec-alkane, sodium salts	Not established	Not established	Not established	Not established
(2-methoxymethylethoxy)propanol	Not established	Not established	Not established	Not established
alkyl alcohol ethoxylate	Not established	Not established	Not established	Not established
p-menth-1-en-8-ol	Not established	Not established	Not established	Not established

terpineol	Not established	Not established	Not established	Not established
4-tert-butylcyclohexyl acetate	Not established	Not established	Not established	Not established
cineole	Not established	Not established	Not established	Not established
p-mentha-1,4(8)-diene	Not established	Not established	Not established	Not established
Methyl cinnamate	Not established	Not established	Not established	Not established
Benzene, 1-methoxy-4-(1-propenyl)-	Not established	Not established	Not established	Not established
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Not established	12000	Not established	Not established

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	
(2-methoxymethylethoxy)propanol	Not irritant		Method not given	
alkyl alcohol ethoxylate	Not irritant	Rabbit	OECD 404 (EU B.4)	
p-menth-1-en-8-ol	No data available			
terpineol	Mild irritant	Rabbit	Method not given	24 hour(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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Corrosive		Method not given	

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)	
(2-methoxymethylethoxy)propanol	Not corrosive or irritant		Method not given	
alkyl alcohol ethoxylate	Severe damage	Rabbit	Method not given	
p-menth-1-en-8-ol	No data available			
terpineol	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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Severe damage		Method not given	

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			
(2-methoxymethylethoxy)propanol	No data available			
alkyl alcohol ethoxylate	No data available			
p-menth-1-en-8-ol	No data available			
terpineol	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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	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	

(2-methoxymethylethoxy)propanol	Not sensitising		Method not given	
alkyl alcohol ethoxylate	Not sensitising	Guinea pig	Method not given	
p-menth-1-en-8-ol	No data available			
terpineol	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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Sensitising	Guinea pig	Method not given OECD 406 (EU B.6) / GPMT	

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			
(2-methoxymethylethoxy)propanol	No data available			
alkyl alcohol ethoxylate	No data available			
p-menth-1-en-8-ol	No data available			
terpineol	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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	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
(2-methoxymethylethoxy)propanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
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	
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	
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No evidence for mutagenicity	Method not given	No data available	

Carcinogenicity

Ingredient(s)	Effect
propan-2-ol	No evidence for carcinogenicity, negative test results
sulphonic acids, C14-17-sec-alkane, sodium salts	No evidence for carcinogenicity, negative test results
(2-methoxymethylethoxy)propanol	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
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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No evidence for carcinogenicity, negative test results

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
(2-methoxymethylethoxy)propanol			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				
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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)			No data available				No evidence for reproductive toxicity No evidence for teratogenic effects

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		
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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			
(2-methoxymethylethoxy)propanol			No data available					
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					
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					
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
propan-2-ol	Central nervous system

sulphonic acids, C14-17-sec-alkane, sodium salts	No data available
(2-methoxymethylethoxy)propanol	No data available
alkyl alcohol ethoxylate	Not applicable
p-menth-1-en-8-ol	No data available
terpineol	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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	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
(2-methoxymethylethoxy)propanol	No data available
alkyl alcohol ethoxylate	Not applicable
p-menth-1-en-8-ol	No data available
terpineol	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
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	No data available

Aspiration hazard
Substances with an aspiration hazard (H304), if any, are listed in section 3.

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

11.2 Information on other hazards
11.2.1 Endocrine disrupting properties
Endocrine disrupting properties - Human data, if available:

11.2.2 Other information
No other relevant information available.

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	*Pimephales promelas*	Method not given	48
sulphonic acids, C14-17-sec-alkane, sodium salts	LC_{50}	1 - 10	*Brachydanio rerio*	OECD 203, static	96
(2-methoxymethylethoxy)propanol	LC_{50}	> 1000	*Poecilia reticulata*	Method not given	96
alkyl alcohol ethoxylate	LC_{50}	1 - 10	*Cyprinus carpio*	OECD 203 (EU C.1)	96
p-menth-1-en-8-ol		No data available			
terpineol	EC_{50}	80	*Fish*		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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LC_{50}	0.28	*Lepomis macrochirus*	OECD 203 (EU C.1)	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	EC_{50}	> 100	*Daphnia magna Straus*	Method not given	48
sulphonic acids, C14-17-sec-alkane, sodium salts	EC_{50}	9.81	*Daphnia magna Straus*	OECD 202 (EU C.2)	48
(2-methoxymethylethoxy)propanol	EC_{50}	1919	*Daphnia magna Straus*	Method not given	48
alkyl alcohol ethoxylate	EC_{50}	1 - 10	*Daphnia magna Straus*	OECD 202, static	48
p-menth-1-en-8-ol		No data available			
terpineol	EC_{50}	73	*Daphnia*	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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	EC_{50}	0.126	*Daphnia magna Straus*	OECD 202 (EU C.2)	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
propan-2-ol	EC_{50}	> 100	*Scenedesmus quadricauda*	Method not given	72
sulphonic acids, C14-17-sec-alkane, sodium salts	EC_{50}	> 61	*Pseudokirchneriella subcapitata*	OECD 201 (EU C.3)	72
(2-methoxymethylethoxy)propanol	EC_{50}	> 969	*Selenastrum capricornutum*	Method not given	72
alkyl alcohol ethoxylate	EC_{50}	1 - 10	*Desmodesmus subspicatus*	OECD 201, static	72
p-menth-1-en-8-ol		No data available			
terpineol		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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	EC_{50}	0.003	*Pseudokirchneriella subcapitata*	OECD 201 (EU C.3)	72

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			
(2-methoxymethylethoxy)propanol		No data available			
alkyl alcohol ethoxylate		No data available			
p-menth-1-en-8-ol		No data available			
terpineol		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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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	*Pseudomonas putida*	DIN 38412 / Part 8	16 hour(s)
(2-methoxymethylethoxy)propanol	EC_{10}	4168	*Pseudomonas putida*	Method not given	
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			
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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	EC_{20}	0.97	*Activated sludge*	OECD 209	3 hour(s)

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	NOEC	0.85	*Oncorhynchus mykiss*	OECD 204	28 day(s)	
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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	NOEC	0.36	*Daphnia magna*	OECD 202	22 day(s)	
(2-methoxymethylethoxy)propanol	NOEC	> 0.5	*Daphnia magna*	Method not given	22 day(s)	

alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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				
sulphonic acids, C14-17-sec-alkane, sodium salts		No data available				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol ethoxylate		No data available				
p-menth-1-en-8-ol		No data available				
terpineol		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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		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
sulphonic acids, C14-17-sec-alkane, sodium salts	NOEC	470	*Eisenia fetida*	OECD 222	56	
alkyl alcohol ethoxylate	NOEC	220	*Eisenia fetida*			

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
alkyl alcohol ethoxylate	NOEC	10	*Lepidium sativum*	OECD 208		

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if 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	Activated sludge, aerobe	DOC reduction	89 % in 28 day(s)	OECD 301E	Readily biodegradable
(2-methoxymethylethoxy)propanol		Oxygen depletion	75 % in 28 day(s)	OECD 301F	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		DOC reduction	80% 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	Activated sludge, aerobe	DOC reduction	100 % in 28 day(s)	OECD 301E	Readily biodegradable
Benzene, 1-methoxy-4-(1-propenyl)-					No data available
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)		Oxygen depletion	> 60%	OECD 301D	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

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	
(2-methoxymethylethoxy)propanol	1.01	Method not given	Low potential for bioaccumulation	
alkyl alcohol ethoxylate	-		No bioaccumulation expected	
p-menth-1-en-8-ol	No data available			
terpineol	3.1			
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			
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	-0.71 - +0.75	Method not given	No bioaccumulation expected	

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				
(2-methoxymethylethoxy)propanol	No data available				
alkyl alcohol ethoxylate	-			No bioaccumulation expected	
p-menth-1-en-8-ol	No data available				
terpineol	24.13			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,	No data available				

1-methoxy-4-(1-propenyl)-					
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	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				
(2-methoxymethylethoxy)propanol	No data available				High potential for mobility in soil
alkyl alcohol ethoxylate	No data available				Immobile in soil or sediment
p-menth-1-en-8-ol	No data available				
terpineol	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				
5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	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 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

12.7 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.

European Waste Catalogue: 20 01 29* - detergents containing dangerous substances.

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
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
• substances identified as having endocrine disrupting properties in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Regulation (EU) 2018/605

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

Ingredients according to EC Detergents Regulation 648/2004
anionic surfactants, non-ionic surfactants 5 - 15 %
perfumes , Citral, Citronellol, Linalool, Limonene, Alpha-Isomethyl Ionone, Coumarin, Geraniol, Benzyl Salicylate, Methylchloroisothiazolinone, Methylisothiazolinone

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.

Seveso - Classification: P5c - FLAMMABLE LIQUIDS

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

SDS code: MS1000838 **Version:** 06.0 **Revision:** 2021-03-14

Reason for revision:
This data sheet contains changes from the previous version in section(s):, 2, 3, 7, 8, 9, 11, 12, 15, 16, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

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.
• H301 - Toxic if swallowed.
• H302 - Harmful if swallowed.
• H304 - May be fatal if swallowed and enters airways.
• H310 - Fatal in contact with skin.
• H314 - Causes severe skin burns and eye damage.

• H315 - Causes skin irritation.
• H317 - May cause an allergic skin reaction.
• H318 - Causes serious eye damage.
• H319 - Causes serious eye irritation.
• H330 - Fatal if inhaled.
• H336 - May cause drowsiness or dizziness.
• 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.
• EUH071 - Corrosive to the respiratory tract.

Abbreviations and acronyms:
• AISE - The international Association for Soaps, Detergents and Maintenance Products
• ATE - Acute Toxicity Estimate
• DNEL - Derived No Effect Limit
• EC50 - effective concentration, 50%
• ERC - Environmental release categories
• EUH - CLP Specific hazard statement
• LC50 - Lethal Concentration, 50% / Median Lethal Concentration
• LCS - Life cycle stage
• LD50 - Lethal Dose, 50% / Median Lethal dose
• NOAEL - No observed adverse effect level
• NOEL - No observed effect level
• OECD - Organization for Economic Cooperation and Development
• PBT - Persistent, Bioaccumulative and Toxic
• PNEC - Predicted No Effect Concentration
• PROC - Process categories
• REACH number - REACH registration number, without supplier specific part
• vPvB - very Persistent and very Bioaccumulative

End of Safety Data Sheet