



Good Sense Vert O1b

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Version: 07.1

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

1.1 Product identifier

Trade name: Good Sense Vert O1b

UFI: MKC4-Y0EV-700A-5EKN

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

Product use: Odor Control - Instant action.

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, 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

Aerosol 1 (H222)
Skin Sens. 1 (H317)
Aquatic Chronic 2 (H411)

2.2 Label elements



Signal word: Danger.

Contains citral (Citral), alpha-hexylcinnamaldehyde (Hexyl Cinnamal), 2-(4-tert-Butylbenzyl)propionaldehyde (Butylphenyl Methylpropional), resin acids and rosin acids, hydrogenated, me esters (Hydrogenated Methyl Rosinate), 1'-acetonaphthone (1-Acetonaphthone), 2,4-dimethylcyclohex-3-ene-1-carbaldehyde (2,4-Dimethyl-3-Cyclohexene Carboxaldehyde)

Hazard statements:

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements:

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P280 - Wear protective gloves.

Good Sense Vert O1b

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
 P501 - Dispose of unused content as chemical waste.

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
dimethyl ether	204-065-8	115-10-6	01-2119472128-37	Flam. Gas 1 (H220) Press. Gas (Comp.) (H280)		30-50
2-tert-butylcyclohexyl acetate	201-828-7	88-41-5	01-2119970713-33	Aquatic Chronic 2 (H411)		10-20
ethanol	200-578-6	64-17-5	01-2119457610-43	Flam. Liq. 2 (H225)		10-20
undecan-4-olide	203-225-4	104-67-6	-	Aquatic Chronic 2 (H411)		3-10
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	241-514-7	17511-60-3	01-2119969447-21	Aquatic Chronic 2 (H411)		3-10
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	268-264-1	68039-49-6	01-2119982384-28	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317) Aquatic Chronic 3 (H412)		3-10
alpha-hexylcinnamaldehyde	202-983-3	101-86-0	01-2119533092-50	Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		3-10
allyl heptanoate	205-527-1	142-19-8	01-2119488961-23	Acute Tox. 3 (H331) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		1-3
Propan-2-ol	200-661-7	67-63-0	01-2119457558-25	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)		0.1-1
butanone	201-159-0	78-93-3	-	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) EUH066		0.1-1

Specific concentration limits

dimethyl ether:

- Aerosol 1 (H222) >= 5%

ethanol:

- Aerosol 1 (H222) >= 35%

Propan-2-ol:

- Aerosol 1 (H222) >= 35%

hexyl acetate:

- Aerosol 1 (H222) >= 5%

butanone:

- Aerosol 1 (H222) >= 5%

d-limonene:

- Aerosol 1 (H222) >= 5%

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.

ATE, if available, are listed in section 11.

[11] Substance of Very High Concern (SVHC).

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:

Get medical attention or advice if you feel unwell.

Good Sense Vert O1b

Skin contact:	Take off immediately all contaminated clothing and wash it before reuse.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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:	No known effects or symptoms in normal use.
Skin contact:	May cause an allergic skin reaction. Direct contact can damage skin by freezing.
Eye contact:	Direct contact can damage the eye by freezing.
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

Cool endangered packaging with water spray jet.

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**

Wear suitable gloves.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Absorb liquid components with liquid-binding material.

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. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:

Follow general hygiene considerations recognised as common good workplace practices. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Handle and open container with care. Wash hands thoroughly after handling. Take off contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. 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. Keep out of reach of children. Keep away from heat and direct sunlight. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

Comah - Lower Tier requirements (tonnes): 150

Comah - Upper Tier requirements (tonnes): 500

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)
dimethyl ether	400 ppm 766 mg/m ³	500 ppm 958 mg/m ³
ethanol	1000 ppm 1920 mg/m ³	3000 ppm 5760 mg/m ³
Propan-2-ol	400 ppm 999 mg/m ³	500 ppm 1250 mg/m ³
butanone	200 ppm 600 mg/m ³	300 ppm 899 mg/m ³

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/DMEL oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
dimethyl ether	-	-	-	-
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	-	-	-	87
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	-	-	-	-
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	26
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL 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)
dimethyl ether	No data available	-	No data available	-
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	-	-	-	343
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available	-	No data available	-
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	888
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL 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)
dimethyl ether	No data available	-	No data available	-
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	-	-	-	206
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available	-	No data available	-
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	319
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
dimethyl ether	-	-	-	1894
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	1900	-	-	950
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	-	-	-	-

Good Sense Vert O1b

alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	500
butanone	No data available	No data available	No data available	No data available

DNEL/DMEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
dimethyl ether	-	-	-	471
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	950	-	-	114
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	-	-	-	-
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	-	-	-	89
butanone	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)
dimethyl ether	0.155	0.016	1.549	160
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	0.96	0.79	2.75	580
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	-	-	-	-
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	140.9	140.9	140.9	2251
butanone	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)
dimethyl ether	0.681	0.069	0.045	-
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
ethanol	3.6	2.9	0.63	-
undecan-4-olide	No data available	No data available	No data available	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available	No data available	No data available	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	-	-	-	-
alpha-hexylcinnamaldehyde	No data available	No data available	No data available	No data available
allyl heptanoate	No data available	No data available	No data available	No data available
Propan-2-ol	552	552	28	-
butanone	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:

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment

Eye / face protection:

No special requirements under normal use conditions.

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 mm
 Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min

Good Sense Vert O1b

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:

Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

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: Aerosol	
Colour: Clear Colourless	
Odour: Perfumed	
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	Not applicable as product is an aerosol

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
dimethyl ether	-24.8		
2-tert-butylcyclohexyl acetate	No data available		
ethanol	78.4	Method not given	
undecan-4-olide	No data available		
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available		
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available		
alpha-hexylcinnamaldehyde	No data available		
allyl heptanoate	No data available		
Propan-2-ol	82	Method not given	1013
butanone	No data available		

	Method / remark
Flammability (solid, gas): Not applicable to liquids	
Flammability (liquid): Not applicable. Not flammable.	
Flash point (°C): Not applicable as product is an aerosol	
Sustained combustion: Not applicable. (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)
dimethyl ether	3.3	26.2
Propan-2-ol	2	13

	Method / remark
Autoignition temperature: Not determined	
Decomposition temperature: Not applicable.	
pH: Not applicable	
Kinematic viscosity: Not determined	
Solubility in / Miscibility with water: Fully miscible	

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
dimethyl ether	45.6		25
2-tert-butylcyclohexyl acetate	No data available		
ethanol	No data available		
undecan-4-olide	No data available		
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available		
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available		
alpha-hexylcinnamaldehyde	No data available		
allyl heptanoate	No data available		
Propan-2-ol	Soluble	Method not given	
butanone	No data available		

Good Sense Vert O1b

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

Vapour pressure: Not determined

Method / remark

See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
dimethyl ether	510000		20
2-tert-butylcyclohexyl acetate	No data available		
ethanol	5800	Method not given	
undecan-4-olide	No data available		
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available		
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available		
alpha-hexylcinnamaldehyde	No data available		
allyl heptanoate	No data available		
Propan-2-ol	4200	Method not given	20
butanone	No data available		

Relative density: ≈ 0.95 (20 °C)

Relative vapour density: Not determined.

Particle characteristics: No data available.

Method / remark

OECD 109 (EU A.3)

Not relevant to classification of this product

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

9.2.2 Other safety characteristics**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 hazard classes as defined in Regulation (EC) No 1272/2008**

Mixture data:

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

ATE - Inhalatory, vapours (mg/l): 540

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

Acute toxicity

Acute oral toxicity

Good Sense Vert O1b

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
dimethyl ether		No data available				Not established
2-tert-butylcyclohexyl acetate		No data available				Not established
ethanol	LD ₅₀	5000	Rat	OECD 401 (EU B.1)		Not established
undecan-4-olide		No data available				Not established
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		> 5000	Rat			Not established
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				Not established
alpha-hexylcinnamaldehyde		3100				Not established
allyl heptanoate	LD ₅₀	218	Rat	Method not given		218
Propan-2-ol	LD ₅₀	5840	Rat	OECD 401 (EU B.1)		Not established
butanone	LD ₅₀	3300	Rat	Method not given		Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
dimethyl ether		No data available				Not established
2-tert-butylcyclohexyl acetate		No data available				Not established
ethanol	LD ₅₀	> 10000	Rabbit	OECD 402 (EU B.3)		Not established
undecan-4-olide		No data available				Not established
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				Not established
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				Not established
alpha-hexylcinnamaldehyde		No data available				Not established
allyl heptanoate	LD ₅₀	810	Rabbit	Method not given		810
Propan-2-ol	LD ₅₀	> 2000	Rabbit	Method not given		Not established
butanone		No data available				Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether	LC ₅₀	309	Rat	Method not given	4
2-tert-butylcyclohexyl acetate		No data available			
ethanol	LC ₅₀	> 1800	Rat	Non guideline test	4
undecan-4-olide		No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available			
alpha-hexylcinnamaldehyde		No data available			
allyl heptanoate		No data available			
Propan-2-ol	LC ₅₀	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
butanone		No data available			

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)
dimethyl ether	Not established	Not established	Not established	Not established
2-tert-butylcyclohexyl acetate	Not established	Not established	Not established	Not established
ethanol	Not established	Not established	Not established	Not established
undecan-4-olide	Not established	Not established	Not established	Not established
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	Not established	Not established	Not established	Not established
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	Not established	Not established	Not established	Not established
alpha-hexylcinnamaldehyde	Not established	Not established	Not established	Not established
allyl heptanoate	Not established	Not established	12000	Not established
Propan-2-ol	Not established	Not established	Not established	Not established
butanone	Not established	Not established	300000	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
2-tert-butylcyclohexyl acetate	No data available			
ethanol	Not irritant	Rabbit	OECD 404 (EU B.4)	
undecan-4-olide	No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available			
alpha-hexylcinnamaldehyde	No data available			
allyl heptanoate	Not irritant			
Propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
butanone	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
2-tert-butylcyclohexyl acetate	No data available			
ethanol	Irritant	Rabbit	OECD 405 (EU B.5)	
undecan-4-olide	No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available			
alpha-hexylcinnamaldehyde	No data available			
allyl heptanoate	Not corrosive or irritant			
Propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
butanone	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
2-tert-butylcyclohexyl acetate	No data available			
ethanol	No data available			
undecan-4-olide	No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available			
alpha-hexylcinnamaldehyde	No data available			
allyl heptanoate	No data available			
Propan-2-ol	No data available			
butanone	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
dimethyl ether	No data available			
2-tert-butylcyclohexyl acetate	No data available			
ethanol	Not sensitising			
undecan-4-olide	No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available			
alpha-hexylcinnamaldehyde	No data available			
allyl heptanoate	No data available			
Propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
butanone	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
dimethyl ether	No data available			
2-tert-butylcyclohexyl acetate	No data available			
ethanol	No data available			
undecan-4-olide	No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available			
alpha-hexylcinnamaldehyde	No data available			

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allyl heptanoate	No data available		
Propan-2-ol	No data available		
butanone	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)
dimethyl ether	No evidence of genotoxicity, negative test results	OECD 471 (EU B.12/13) OECD 473	No data available	
2-tert-butylcyclohexyl acetate	No data available		No data available	
ethanol	No data available		No data available	
undecan-4-olide	No data available		No data available	
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available		No data available	
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available		No data available	
alpha-hexylcinnamaldehyde	No data available		No data available	
allyl heptanoate	No data available		No data available	
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)
butanone	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
dimethyl ether	No evidence for carcinogenicity, negative test results
2-tert-butylcyclohexyl acetate	No data available
ethanol	No data available
undecan-4-olide	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available
alpha-hexylcinnamaldehyde	No data available
allyl heptanoate	No data available
Propan-2-ol	No evidence for carcinogenicity, negative test results
butanone	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
dimethyl ether			No data available				
2-tert-butylcyclohexyl acetate			No data available				
ethanol			No data available				
undecan-4-olide			No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate			No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde			No data available				
alpha-hexylcinnamaldehyde			No data available				
allyl heptanoate			No data available				
Propan-2-ol			No data available				
butanone			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
dimethyl ether		No data available				
2-tert-butylcyclohexyl acetate		No data available				
ethanol		No data available				
undecan-4-olide		No data available				

Good Sense Vert O1b

3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				
alpha-hexylcinnamaldehyde		No data available				
allyl heptanoate		No data available				
Propan-2-ol		No data available				
butanone		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
dimethyl ether		No data available				
2-tert-butylcyclohexyl acetate		No data available				
ethanol		No data available				
undecan-4-olide		No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				
alpha-hexylcinnamaldehyde		No data available				
allyl heptanoate		No data available				
Propan-2-ol		No data available				
butanone		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
dimethyl ether		No data available				
2-tert-butylcyclohexyl acetate		No data available				
ethanol		No data available				
undecan-4-olide		No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				
alpha-hexylcinnamaldehyde		No data available				
allyl heptanoate		No data available				
Propan-2-ol		No data available				
butanone		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
dimethyl ether			No data available					
2-tert-butylcyclohexyl acetate			No data available					
ethanol			No data available					
undecan-4-olide			No data available					
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate			No data available					
2,4-dimethylcyclohex-3-ene-1-carbaldehyde			No data available					
alpha-hexylcinnamaldehyde			No data available					

Good Sense Vert O1b

allyl heptanoate			No data available				
Propan-2-ol			No data available				
butanone			No data available				

STOT-single exposure

Ingredient(s)	Affected organ(s)
dimethyl ether	No data available
2-tert-butylcyclohexyl acetate	No data available
ethanol	No data available
undecan-4-olide	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available
alpha-hexylcinnamaldehyde	No data available
allyl heptanoate	No data available
Propan-2-ol	Central nervous system
butanone	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
dimethyl ether	No data available
2-tert-butylcyclohexyl acetate	No data available
ethanol	No data available
undecan-4-olide	No data available
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available
alpha-hexylcinnamaldehyde	No data available
allyl heptanoate	No data available
Propan-2-ol	No data available
butanone	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.

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)
dimethyl ether	LC ₅₀	> 4100	<i>Poecilia reticulata</i>		96
2-tert-butylcyclohexyl acetate		No data available			
ethanol	LC ₅₀	8150	<i>Alburnus alburnus</i>	Method not given	96
undecan-4-olide		No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available			

Good Sense Vert O1b

alpha-hexylcinnamaldehyde		No data available			
allyl heptanoate	LC ₅₀	0.12	<i>Brachydanio rerio</i>	OECD 203, semi-static	96
Propan-2-ol	LC ₅₀	> 100	<i>Pimephales promelas</i>	Method not given	48
butanone	LC ₅₀	3220	<i>Pimephales promelas</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether	EC ₅₀	> 4400	<i>Daphnia magna Straus</i>		48
2-tert-butylcyclohexyl acetate		No data available			
ethanol	EC ₅₀	5012	<i>Daphnia magna Straus</i>	Method not given	48
undecan-4-olide	EC ₅₀	5.85	<i>Daphnia magna Straus</i>	OECD 202, static	48
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available			
alpha-hexylcinnamaldehyde		No data available			
allyl heptanoate		No data available			
Propan-2-ol	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	Method not given	48
butanone	EC ₅₀	5091	<i>Daphnia magna Straus</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
dimethyl ether	EC ₅₀	154.9		QSAR	96
2-tert-butylcyclohexyl acetate		No data available			
ethanol	EC ₅₀	675	<i>Scenedesmus quadricauda</i> Not specified	Method not given	72
undecan-4-olide	EC ₅₀	7.218	<i>Pseudokirchneriella subcapitata</i>	OECD 201, static	72
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available			
alpha-hexylcinnamaldehyde		No data available			
allyl heptanoate		No data available			
Propan-2-ol	EC ₅₀	> 100	<i>Scenedesmus quadricauda</i>	Method not given	72
butanone	IC ₅₀	4300	<i>Scenedesmus quadricauda</i>	Method not given	168

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
dimethyl ether		No data available			
2-tert-butylcyclohexyl acetate		No data available			
ethanol		No data available			
undecan-4-olide		No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available			
alpha-hexylcinnamaldehyde		No data available			
allyl heptanoate		No data available			
Propan-2-ol		No data available			

Good Sense Vert O1b

butanone		No data available		
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Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
dimethyl ether	EC ₁₀	> 1600	<i>Pseudomonas putida</i>	Method not given	
2-tert-butylcyclohexyl acetate		No data available			
ethanol	EC ₀	6500	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
undecan-4-olide		No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available			
alpha-hexylcinnamaldehyde		No data available			
allyl heptanoate		No data available			
Propan-2-ol	EC ₅₀	> 1000	<i>Activated sludge</i>	Method not given	
butanone	EC ₅	1150	<i>Pseudomonas putida</i>	Method not given	16 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
dimethyl ether		No data available				
2-tert-butylcyclohexyl acetate		No data available				
ethanol		No data available				
undecan-4-olide		No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				
alpha-hexylcinnamaldehyde		No data available				
allyl heptanoate		No data available				
Propan-2-ol		No data available				
butanone		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
dimethyl ether		No data available				
2-tert-butylcyclohexyl acetate		No data available				
ethanol		No data available				
undecan-4-olide		No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				
alpha-hexylcinnamaldehyde		No data available				
allyl heptanoate		No data available				
Propan-2-ol		No data available				
butanone		No data available				

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

Ingredient(s)	Endpoint	Value (mg/kg dw)	Species	Method	Exposure time (days)	Effects observed
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Good Sense Vert O1b

		sediment)				
dimethyl ether		No data available				
2-tert-butylcyclohexyl acetate		No data available				
ethanol		No data available				
undecan-4-olide		No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate		No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde		No data available				
alpha-hexylcinnamaldehyde		No data available				
allyl heptanoate		No data available				
Propan-2-ol		No data available				
butanone		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				

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				

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
Propan-2-ol		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				

Terrestrial toxicity - soil bacteria, if available:

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

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
Propan-2-ol	No data available			

Abiotic degradation - other processes, if available:

Ingredient(s)	Type	Half-life time	Method	Evaluation	Remark
Propan-2-ol		No data available			

Biodegradation

Good Sense Vert O1b

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
dimethyl ether	Activated sludge, aerobe	Oxygen depletion	5 % in 28 day(s)	OECD 301D	Not readily biodegradable.
2-tert-butylcyclohexyl acetate				Method not given	Not readily biodegradable.
ethanol	Activated sludge, aerobe	Oxygen depletion	> 60% in 10 day(s)	OECD 301B	Readily biodegradable
undecan-4-olide				OECD 301F	Readily biodegradable
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate					Poorly biodegradable
2,4-dimethylcyclohex-3-ene-1-carbaldehyde			3% in 28 day(s)	OECD 301F	Not readily biodegradable.
alpha-hexylcinnamaldehyde					Not readily biodegradable.
allyl heptanoate	Activated sludge, aerobe		40%	OECD 301D	Not readily biodegradable.
Propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
butanone				OECD 301D	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
Propan-2-ol					No data available

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT ₅₀	Method	Evaluation
Propan-2-ol					No data available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
dimethyl ether	0.07	Method not given	No bioaccumulation expected	at 25 °C
2-tert-butylcyclohexyl acetate	No data available			
ethanol	-0.31	Weight of evidence	No bioaccumulation expected	
undecan-4-olide	No data available			
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available			
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available			
alpha-hexylcinnamaldehyde	No data available			
allyl heptanoate	No data available			
Propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
butanone	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
dimethyl ether	No data available				
2-tert-butylcyclohexyl acetate	No data available				
ethanol	0.5		Weight of evidence	No bioaccumulation expected	
undecan-4-olide	No data available				
3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available				
alpha-hexylcinnamaldehyde	No data available				
allyl heptanoate	No data available				
Propan-2-ol	No data available				
butanone	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc} (des)	Method	Soil/sediment type	Evaluation
dimethyl ether	No data available				
2-tert-butylcyclohexyl acetate	No data available				
ethanol	No data available				
undecan-4-olide	No data available				

Good Sense Vert O1b

3a,4,5,6,7,7a-hexahydro-4,7-methano-1H-inden-6-yl propionate	No data available				
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	No data available				
alpha-hexylcinnamaldehyde	No data available				
allyl heptanoate	No data available				
Propan-2-ol	No data available				Potential for mobility in soil, soluble in water
butanone	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:

16 05 04* - gases in pressure containers (including halons) containing dangerous substances.

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

SECTION 14: Transport information**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

14.1 UN number or ID number: 1950

14.2 UN proper shipping name:

Aerosols

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 2.1

14.4 Packing group: -

14.5 Environmental hazards:

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user: None known.

14.7 Maritime transport in bulk according to IMO instruments: The product is not transported in bulk tankers.

Other relevant information:

ADR

Classification code: 5F

Tunnel restriction code: (D)

Hazard identification number: -

IMO/IMDG

EmS: F-D, S-U

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**

National regulations :

Good Sense Vert O1b

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Aerosol Dispensers Regulations 2009
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

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

Comah - classification: P3a - FLAMMABLE AEROSOLS

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: MSDS3275

Version: 07.1

Revision: 2023-03-17

Reason for revision:

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.

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
- 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 - Organisation for Economic Cooperation and Development
- H220 - Extremely flammable gas.
- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H280 - Contains gas under pressure; may explode if heated.
- H302 - Harmful if swallowed.
- H303 - May be harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H312 - Harmful in contact with skin.
- H315 - Causes skin irritation.
- H316 - Causes mild skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H361 - Suspected of damaging fertility or the unborn child.
- 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.

End of Safety Data Sheet