



Taski Tapi Spotex 1 C4n

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Version: 05.6

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

1.1 Product identifier

Trade name: Taski Tapi Spotex 1 C4n

UFI: S4C5-5056-800G-PY1M

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

Product use:	Carpet / Upholstery cleaner. For professional use only.
Uses advised against:	Uses other than those identified are not recommended.

SWED - Sector-specific worker exposure description :

AISE_SWED_PW_8a_1
AISE_SWED_PW_11_2
AISE_SWED_PW_19_2

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)
STOT SE 3 (H336)
Skin Irrit. 2 (H315)
Eye Dam. 1 (H318)
Aquatic Chronic 2 (H411)

2.2 Label elements



Signal word: Danger.

Contains ethyl L-lactate (Ethyl L-Lactate), propan-2-ol (Isopropyl Alcohol), heptane [and isomers] (Heptane)

Hazard statements:

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

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Precautionary statements:

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 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.

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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
butane	203-448-7	106-97-8	01-2119474691-32	Flam. Gas 1 (H220) Press. Gas (Comp.) (H280)		30-50
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
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	927-510-4	-	01-2119475515-33	Flam. Liq. 2 (H225) Asp. Tox. 1 (H304) STOT SE 3 (H336) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411)		10-20
ethyl L-lactate	211-694-1	687-47-8	01-2119516234-49	Flam. Liq. 3 (H226) STOT SE 3 (H335) Eye Dam. 1 (H318)		3-10

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

ATE, if available, are listed in section 11.

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:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
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. Direct contact can damage skin by freezing.
Eye contact:	Direct contact can damage the eye by freezing. 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

Cool endangered packaging with water spray jet.

5.3 Advice for firefighters

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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

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

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation. 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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. 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 advised by Diversey. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Store used personal protective equipment separately. Avoid contact with skin and eyes. Do not breathe vapours. Do not breathe spray. Use only outdoors or in a well-ventilated area. 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 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)
butane	600 ppm 1450 mg/m ³	750 ppm 1810 mg/m ³
propan-2-ol	400 ppm 999 mg/m ³	500 ppm 1250 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
butane	No data available	No data available	No data available	No data available
propan-2-ol	-	-	-	26
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	-	-	-	149
ethyl L-lactate	No data available	No data available	No data available	No data available

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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)
butane	No data available	No data available	No data available	No data available
propan-2-ol	-	-	-	888
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available	-	No data available	300
ethyl L-lactate	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)
butane	No data available	No data available	No data available	No data available
propan-2-ol	-	-	-	319
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available	-	No data available	149
ethyl L-lactate	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
butane	No data available	No data available	No data available	No data available
propan-2-ol	-	-	-	500
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	-	-	-	2085
ethyl L-lactate	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
butane	No data available	No data available	No data available	No data available
propan-2-ol	-	-	-	89
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	-	-	-	477
ethyl L-lactate	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)
butane	No data available	No data available	No data available	No data available
propan-2-ol	140.9	140.9	140.9	2251
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	-	-	-	-
ethyl L-lactate	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)
butane	No data available	No data available	No data available	No data available
propan-2-ol	552	552	28	-
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	-	-	-	-
ethyl L-lactate	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:

Provide a good standard of general ventilation.

Appropriate organisational controls:

Avoid direct contact and/or splashes where possible. Train personnel. Users are advised to consider national Occupational Exposure Limits or other equivalent values, if available.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Manual transfer and dilution	AISE_SWED_PW_11_2	PW	PROC 11	60	ERC8a
Spray application					
Manual application	AISE_SWED_PW_19_2	PW	PROC 19	480	ERC8a
Manual transfer of product	AISE_SWED_PW_8a_1	PW	PROC 8a	60	ERC8a

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

Safety glasses or goggles (EN 166).

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

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 mmSuggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

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

Body protection:

No special requirements under normal use conditions.

Respiratory protection:

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

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:** 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

Not applicable as product is an aerosol

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
butane	No data available		
propan-2-ol	82	Method not given	1013
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available		
ethyl L-lactate	No data available		

Method / remark**Flammability (solid, gas):** Not determined**Flammability (liquid):** Not applicable. Not flammable.**Flash point (°C):** Not applicable as product is an aerosol > 100 °C

closed cup

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)
propan-2-ol	2	13

Method / remark**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**pH:** Not applicable No information available.**Kinematic viscosity:** Not determined**Solubility in / Miscibility with water:** Not miscible or difficult to mix

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
butane	No data available		
propan-2-ol	Soluble	Method not given	
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available		
ethyl L-lactate	No data available		

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

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Vapour pressure: Not determined

Method / remark
See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
butane	No data available		
propan-2-ol	4200	Method not given	20
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available		
ethyl L-lactate	No data available		

Relative density: ≈ 0.77 (20 °C)

Relative vapour density: No data available.

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: Vapours may form explosive mixtures with air. Not explosive.

Oxidising properties: Not oxidising.

Corrosion to metals: Not corrosive

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): >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)
butane		No data available				Not established
propan-2-ol	LD ₅₀	5840	Rat	OECD 401 (EU B.1)		Not established
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	LD ₅₀	> 5840	Rat	OECD 401 (EU B.1)		Not established
ethyl L-lactate		No data available				Not established

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Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE (mg/kg)
butane		No data available				Not established
propan-2-ol	LD ₅₀	> 2000	Rabbit	Method not given		Not established
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	LD ₅₀	> 2920	Rat	OECD 402 (EU B.3)		Not established
ethyl L-lactate		No data available				Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
butane		No data available			
propan-2-ol	LC ₅₀	> 25 (vapour)	Rat	OECD 403 (EU B.2)	6
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	LC ₅₀	23.3	Rat	OECD 403 (EU B.2)	4
ethyl L-lactate		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)
butane	Not established	Not established	Not established	Not established
propan-2-ol	Not established	Not established	Not established	Not established
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	Not established	Not established	Not established	Not established
ethyl L-lactate	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
butane	No data available			
propan-2-ol	Not irritant	Rabbit	OECD 404 (EU B.4)	
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	Irritant			
ethyl L-lactate	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
butane	No data available			
propan-2-ol	Irritant	Rabbit	OECD 405 (EU B.5)	
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	Not corrosive or irritant			
ethyl L-lactate	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
butane	No data available			
propan-2-ol	No data available			
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available			
ethyl L-lactate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
butane	No data available			
propan-2-ol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	Not sensitising			
ethyl L-lactate	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
butane	No data available			
propan-2-ol	No data available			
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	Not sensitising			
ethyl L-lactate	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
butane	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)
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available		No data available	
ethyl L-lactate	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
butane	No data available
propan-2-ol	No evidence for carcinogenicity, negative test results
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available
ethyl L-lactate	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
butane			No data available				
propan-2-ol			No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic			No data available				
ethyl L-lactate			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
butane		No data available				
propan-2-ol		No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available				
ethyl L-lactate		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
butane		No data available				
propan-2-ol		No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available				
ethyl L-lactate		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
butane		No data available				
propan-2-ol		No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available				
ethyl L-lactate		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
butane			No data available					
propan-2-ol			No data available					
hydrocarbons, C7,			No data					

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n-alkanes, iso-alkanes, cyclic			available				
ethyl L-lactate			No data available				

STOT-single exposure

Ingredient(s)	Affected organ(s)
butane	No data available
propan-2-ol	Central nervous system
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available
ethyl L-lactate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
butane	No data available
propan-2-ol	No data available
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available
ethyl L-lactate	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)
butane		No data available			
propan-2-ol	LC ₅₀	> 100	<i>Pimephales promelas</i>	Method not given	48
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	LC ₅₀	> 13.4	<i>Oncorhynchus mykiss</i>		
ethyl L-lactate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
butane		No data available			
propan-2-ol	EC ₅₀	> 100	<i>Daphnia magna</i> Straus	Method not given	48
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	EC ₅₀	3	<i>Daphnia magna</i> Straus	Method not given	48
ethyl L-lactate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
butane		No data available			
propan-2-ol	EC ₅₀	> 100	<i>Scenedesmus quadricauda</i>	Method not given	72

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hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	EC ₅₀	10-30	<i>Pseudokirchneriella subcapitata</i>	Method not given	Brenntag SDS 2013
ethyl L-lactate		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
butane		No data available			
propan-2-ol		No data available			
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available			
ethyl L-lactate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
butane		No data available			
propan-2-ol	EC ₅₀	> 1000	<i>Activated sludge</i>	Method not given	
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available			
ethyl L-lactate		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
butane		No data available				
propan-2-ol		No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available				
ethyl L-lactate		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
butane		No data available				
propan-2-ol		No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available				
ethyl L-lactate		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
butane		No data available				
propan-2-ol		No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic		No data available				
ethyl L-lactate		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				

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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

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
butane					Readily biodegradable
propan-2-ol			95 % in 21 day(s)	OECD 301E	Readily biodegradable
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	Activated sludge, aerobe	Oxygen depletion	> 90 % in 28 day(s)	OECD 301F	Readily biodegradable
ethyl L-lactate				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 potentialPartition coefficient n-octanol/water (log K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
butane	No data available			
propan-2-ol	0.05	OECD 107	No bioaccumulation expected	
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available			
ethyl L-lactate	No data available			

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Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
butane	No data available				
propan-2-ol	No data available				
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available				
ethyl L-lactate	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
butane	No data available				
propan-2-ol	No data available				Potential for mobility in soil, soluble in water
hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic	No data available				
ethyl L-lactate	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: 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 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: 5F

Tunnel restriction code: D

Hazard identification number: -

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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 :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Aerosol Dispensers Regulations 2009
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- 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.

Ingredients according to Detergents Regulation

aliphatic hydrocarbons

>= 30 %

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: MSDS5137

Version: 05.6

Revision: 2022-11-17

Reason for revision:

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006. This data sheet contains changes from the previous version in section(s): 1, 3, 4, 6, 7, 8, 9, 11, 12, 15, 16

Classification procedure

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

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

- H220 - Extremely flammable gas.
- H222 - Extremely flammable aerosol.
- H223 - Flammable aerosol.
- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H280 - Contains gas under pressure; may explode if heated.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H336 - May cause drowsiness or dizziness.
- H411 - Toxic to aquatic life with long lasting effects.

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 - Organisation for Economic Cooperation and Development

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- 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