



A Solenis Company

TASKI Tapi Deo C9a

Revision: 2024-03-06

Version: 02.0

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

1.1 Product identifier

Trade name: TASKI Tapi Deo C9a

UFI: VF8K-F1CN-R00C-7URK

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

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

SWED - Sector-specific worker exposure description :
AISE_SWED_PW_4_1

1.3 Details of the supplier of the safety data sheet

Diversey local operating company

Contact details

Diversey local operating company

1.4 Emergency telephone number

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

This International SDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory data sheet for your country.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as hazardous

2.2 Label elements

Contains geranyl acetate (Geranyl Acetate), linalool (Linalool), p-mentha-1,4(8)-diene (Terpinolene), cineole (Eucalyptol), Isocyclocitral (Isocyclocitral), d-limonene (Limonene)

Hazard statements:

EUH208 - May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3 Other hazards

No other hazards known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Table with 7 columns: Ingredient(s), EC number, CAS number, REACH number, Classification, Notes, Weight percent. Rows include Zeolite, Attapulgit, geranyl acetate, and linalool.

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p-mentha-1,4(8)-diene	209-578-0	586-62-9	01-211998232 4-34, 01-211998232 5-32	Flammable liquids, Category 3 (H226) Aspiration toxicity, Category 1 (H304) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 2 (H411)	0.1-1
Isocyclocitral	215-638-7	1335-66-6	01-212012014 7-69	Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 3 (H412)	0.1-1
cineole	207-431-5	470-82-6	01-211996777 2-24	Flammable liquids, Category 3 (H226) Skin sensitisation, Sub-category 1B (H317)	0.1-1
allyl heptanoate	205-527-1	142-19-8	01-211948896 1-23	Acute toxicity - Oral, Category 3 (H301) Acute toxicity - Dermal, Category 3 (H311) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 3 (H412)	0.1-1
d-limonene	227-813-5	5989-27-5	01-211952922 3-47	Flammable liquids, Category 3 (H226) Aspiration toxicity, Category 1 (H304) Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)	0.1-1
geraniol	203-377-1	106-24-1	01-211955243 0-49 01-211956062 1-44	Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Skin sensitisation, Category 1 (H317)	0.1-1
citronellol	203-375-0	106-22-9	01-211945399 5-23	Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317)	0.1-1

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:

Get medical attention or advice 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:

Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.

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:

No known effects or symptoms in normal use.

Eye contact:

No known effects or symptoms in normal use.

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

No special measures required.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up

Collect mechanically. Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

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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:**

No special precautions required.

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. Do not mix with other products unless advised by Diversey.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging.

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

7.3 Specific end use(s)

No specific advice for end use available.

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

Air limit values, if available:

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
Zeolite	-	-	-	1.25
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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
Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	-	-	-	4.76
geraniol	No data available	No data available	No data available	No data available
citronellol	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)
Zeolite	-	-	-	2.5
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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
Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	0.222 mg/cm ² skin	-	No data available	-
geraniol	No data available	No data available	No data available	No data available
citronellol	No data available	No data available	No data available	No data available

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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)
Zeolite	-	-	No data available	1.25
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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
Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	0.111 mg/cm ² skin	-	No data available	-
geraniol	No data available	No data available	No data available	No data available
citronellol	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
Zeolite	-	-	3	-
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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
Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	-	-	-	33.3
geraniol	No data available	No data available	No data available	No data available
citronellol	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
Zeolite	-	-	0.003	-
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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
Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	-	-	-	8.33
geraniol	No data available	No data available	No data available	No data available
citronellol	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)
Zeolite	3.2	0.32	-	95
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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
Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	0.014	0.0014	-	1.8
geraniol	No data available	No data available	No data available	No data available
citronellol	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)
Zeolite	-	-	600	-
Attapulgit	No data available	No data available	No data available	No data available
geranyl acetate	No data available	No data available	No data available	No data available
linalool	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

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Isocyclocitral	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
allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	3.85	0.385	0.763	-
geraniol	No data available	No data available	No data available	No data available
citronellol	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: No special requirements under normal use conditions.

REACH use scenarios considered for the undiluted product:

	SWED - Sector-specific worker exposure description	LCS	PROC	Duration (min)	ERC
Automatic application in a dedicated system	AISE_SWED_PW_4_1	PW	PROC 4	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: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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

Method / remark

Physical state: Solid

Appearance: Granules

Colour: Light , from Brown to Yellow

Odour: Orange Citrus

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 to solids or gases

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
Zeolite	No data available		
Attapulgite	No data available		
geranyl acetate	No data available		
linalool	No data available		
p-mentha-1,4(8)-diene	No data available		
Isocyclocitral	No data available		
cineole	No data available		
allyl heptanoate	No data available		
d-limonene	175-178	Weight of evidence	1013
geraniol	No data available		
citronellol	No data available		

Method / remark

Flammability (solid, gas): Not determined

Flammability (liquid): Not applicable.

Flash point (°C): Not applicable.

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

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Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
d-limonene	0.7	6.1

Method / remark

Autoignition temperature: Not determined**Decomposition temperature:** Not applicable.**pH:** Not applicable Not measured**Kinematic viscosity:** Not applicable to solids or gases**Solubility in / Miscibility with water:** Insoluble

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
Zeolite	No data available		
Attapulгите	No data available		
geranyl acetate	No data available		
linalool	No data available		
p-mentha-1,4(8)-diene	No data available		
Isocyclocitral	No data available		
cineole	No data available		
allyl heptanoate	No data available		
d-limonene	Insoluble	Method not given	20
geraniol	No data available		
citronellol	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 (Pa)	Method	Temperature (°C)
Zeolite	No data available		
Attapulгите	No data available		
geranyl acetate	No data available		
linalool	No data available		
p-mentha-1,4(8)-diene	101	OECD 104 (EU A.4)	20
Isocyclocitral	No data available		
cineole	No data available		
allyl heptanoate	No data available		
d-limonene	190-230	Method not given	20
geraniol	No data available		
citronellol	No data available		

Method / remark

Relative density: ≈ 0.73 (20 °C)**Relative vapour density:** No data available.**Particle characteristics:** Not determined.

OECD 109 (EU A.3)

Not applicable to solids

Not relevant to classification of this product.

9.2 Other information**9.2.1 Information with regard to physical hazard classes****Explosive properties:** Not explosive.**Oxidising properties:** Not oxidising.**Corrosion to metals:** Not determined

Not applicable to solids or gases

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

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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 - Dermal (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 Oral (mg/kg)
Zeolite	LD ₅₀	> 5110	Rat	OECD 401 (EU B.1)		Not established
Attapulgitite	LD ₅₀	> 2000				Not established
geranyl acetate		No data available				Not established
linalool	LD ₅₀	2790	Rat			Not established
p-mentha-1,4(8)-diene		No data available				Not established
Isocyclocitral		No data available				Not established
cineole		4500	Rat	OECD 401 (EU B.1)		Not established
allyl heptanoate	LD ₅₀	218	Rat	Method not given		218
d-limonene	LD ₅₀	4400 - 5100	Rat	Method not given		Not established
geraniol		No data available				Not established
citronellol		No data available				Not established

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)	ATE Dermal (mg/kg)
Zeolite	LD ₅₀	> 2000	Rabbit	OECD 402 (EU B.3)		Not established
Attapulgitite		No data available				Not established
geranyl acetate		No data available				Not established
linalool		No data available				Not established
p-mentha-1,4(8)-diene		No data available				Not established
Isocyclocitral		No data available				Not established
cineole		No data available				Not established
allyl heptanoate	LD ₅₀	810	Rabbit	Method not given		810
d-limonene	LD ₅₀	> 5000	Rabbit	Method not given		Not established
geraniol		No data available				Not established
citronellol		No data available				Not established

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
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Zeolite	LC ₅₀	> 3.35 (dust)	Rat	Method not given	
Attapulgit		No data available			
geranyl acetate		No data available			
linalool		No data available			
p-mentha-1,4(8)-diene		No data available			
Isocyclocitral		No data available			
cineole		No data available			
allyl heptanoate		No data available			
d-limonene		No data available			
geraniol		No data available			
citronellol		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)
Zeolite	Not established	Not established	Not established	Not established
Attapulgit	Not established	Not established	Not established	Not established
geranyl acetate	Not established	Not established	Not established	Not established
linalool	Not established	Not established	Not established	Not established
p-mentha-1,4(8)-diene	Not established	Not established	Not established	Not established
Isocyclocitral	Not established	Not established	Not established	Not established
cineole	Not established	Not established	Not established	Not established
allyl heptanoate	Not established	Not established	Not established	Not established
d-limonene	Not established	Not established	Not established	Not established
geraniol	Not established	Not established	Not established	Not established
citronellol	Not established	Not established	Not established	Not established

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Zeolite	Not irritant	Rabbit	OECD 404 (EU B.4)	
Attapulgit	No data available			
geranyl acetate	No data available			
linalool	No data available			
p-mentha-1,4(8)-diene	No data available			
Isocyclocitral	No data available			
cineole	No data available			
allyl heptanoate	Not irritant			
d-limonene	Irritant	Rabbit	Method not given	
geraniol	No data available			
citronellol	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Zeolite	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	
Attapulgit	No data available			
geranyl acetate	No data available			
linalool	No data available			
p-mentha-1,4(8)-diene	No data available			
Isocyclocitral	No data available			
cineole	No data available			
allyl heptanoate	Not corrosive or irritant			
d-limonene	No data available			
geraniol	No data available			
citronellol	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
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Zeolite	No data available		
Attapulгите	No data available		
geranyl acetate	No data available		
linalool	No data available		
p-mentha-1,4(8)-diene	No data available		
Isocyclocitral	No data available		
cineole	No data available		
allyl heptanoate	No data available		
d-limonene	No data available		
geraniol	No data available		
citronellol	No data available		

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Zeolite	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
Attapulгите	No data available			
geranyl acetate	No data available			
linalool	No data available			
p-mentha-1,4(8)-diene	No data available			
Isocyclocitral	No data available			
cineole	No data available			
allyl heptanoate	No data available			
d-limonene	Sensitising	Guinea pig	Method not given	
geraniol	No data available			
citronellol	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Zeolite	No data available			
Attapulгите	No data available			
geranyl acetate	No data available			
linalool	No data available			
p-mentha-1,4(8)-diene	No data available			
Isocyclocitral	No data available			
cineole	No data available			
allyl heptanoate	No data available			
d-limonene	No data available			
geraniol	No data available			
citronellol	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)
Zeolite	No data available		No data available	
Attapulгите	No data available		No data available	
geranyl acetate	No data available		No data available	
linalool	No data available		No data available	
p-mentha-1,4(8)-diene	No data available		No data available	
Isocyclocitral	No data available		No data available	
cineole	No data available		No data available	
allyl heptanoate	No data available		No data available	
d-limonene	No data available		No data available	
geraniol	No data available		No data available	
citronellol	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
Zeolite	No data available
Attapulгите	No data available
geranyl acetate	No data available
linalool	No data available
p-mentha-1,4(8)-diene	No data available

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Isocyclocitral	No data available
cineole	No data available
allyl heptanoate	No data available
d-limonene	No data available
geraniol	No data available
citronellol	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
Zeolite			No data available				
Attapulgite			No data available				
geranyl acetate			No data available				
linalool			No data available				
p-mentha-1,4(8)-diene			No data available				
Isocyclocitral			No data available				
cineole			No data available				
allyl heptanoate			No data available				
d-limonene			No data available				
geraniol			No data available				
citronellol			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
Zeolite		No data available				
Attapulgite		No data available				
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data available				
Isocyclocitral		No data available				
cineole		No data available				
allyl heptanoate		No data available				
d-limonene		No data available				
geraniol		No data available				
citronellol		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
Zeolite		No data available				
Attapulgite		No data available				
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data available				
Isocyclocitral		No data available				
cineole		No data available				
allyl heptanoate		No data				

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		available				
d-limonene		No data available				
geraniol		No data available				
citronellol		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
Zeolite		No data available				
Attapulгите		No data available				
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data available				
Isocyclocitral		No data available				
cineole		No data available				
allyl heptanoate		No data available				
d-limonene		No data available				
geraniol		No data available				
citronellol		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
Zeolite			No data available					
Attapulгите			No data available					
geranyl acetate			No data available					
linalool			No data available					
p-mentha-1,4(8)-diene			No data available					
Isocyclocitral			No data available					
cineole			No data available					
allyl heptanoate			No data available					
d-limonene			No data available					
geraniol			No data available					
citronellol			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
Zeolite	No data available
Attapulгите	No data available
geranyl acetate	No data available
linalool	No data available
p-mentha-1,4(8)-diene	No data available
Isocyclocitral	No data available
cineole	No data available
allyl heptanoate	No data available
d-limonene	No data available
geraniol	No data available
citronellol	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
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Zeolite	No data available
Attapulгите	No data available
geranyl acetate	No data available
linalool	No data available
p-mentha-1,4(8)-diene	No data available
Isocyclocitral	No data available
cineole	No data available
allyl heptanoate	No data available
d-limonene	No data available
geraniol	No data available
citronellol	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)
Zeolite	LC ₅₀	> 680	<i>Fish</i>	Method not given	96
Attapulгите		No data available			
geranyl acetate		No data available			
linalool		No data available			
p-mentha-1,4(8)-diene		No data available			
Isocyclocitral		No data available			
cineole		No data available			
allyl heptanoate	LC ₅₀	0.12	<i>Brachydanio rerio</i>	OECD 203, semi-static	96
d-limonene	LC ₅₀	0.72	<i>Pimephales promelas</i>	OECD 203 (EU C.1)	96
geraniol		No data available			
citronellol		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Zeolite	EC ₅₀	> 100	<i>Daphnia</i>	Method not given	48
Attapulгите		No data available			
geranyl acetate		No data available			
linalool		No data available			
p-mentha-1,4(8)-diene		No data available			
Isocyclocitral		No data available			

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cineole		No data available			
allyl heptanoate		No data available			
d-limonene	EC ₅₀	0.36	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
geraniol		No data available			
citronellol		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Zeolite	EC ₅₀	> 300	<i>Not specified</i>	Method not given	96
Attapulgite		No data available			
geranyl acetate		No data available			
linalool		No data available			
p-mentha-1,4(8)-diene		No data available			
Isocyclocitral		No data available			
cineole		No data available			
allyl heptanoate		No data available			
d-limonene	E _r C ₅₀	150	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
geraniol		No data available			
citronellol		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Zeolite		No data available			
Attapulgite		No data available			
geranyl acetate		No data available			
linalool		No data available			
p-mentha-1,4(8)-diene		No data available			
Isocyclocitral		No data available			
cineole		No data available			
allyl heptanoate		No data available			
d-limonene		No data available			
geraniol		No data available			
citronellol		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Zeolite		No data available			
Attapulgite		No data available			
geranyl acetate		No data available			
linalool		No data available			
p-mentha-1,4(8)-diene		No data available			
Isocyclocitral		No data available			
cineole		No data available			

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allyl heptanoate		No data available			
d-limonene		No data available			
geraniol		No data available			
citronellol		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Zeolite	NOEC	> 86.7	<i>Not specified</i>	Method not given		
Attapulgite		No data available				
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data available				
Isocyclocitral		No data available				
cineole		No data available				
allyl heptanoate		No data available				
d-limonene		No data available				
geraniol		No data available				
citronellol		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Zeolite	NOEC	32	<i>Not specified</i>	Method not given		
Attapulgite		No data available				
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data available				
Isocyclocitral		No data available				
cineole		No data available				
allyl heptanoate		No data available				
d-limonene		No data available				
geraniol		No data available				
citronellol		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
Zeolite	NOEC	> 200		Method not given		
Attapulgite		No data available				
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data available				
Isocyclocitral		No data available				
cineole		No data available				

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		available				
allyl heptanoate		No data available				
d-limonene		No data available				
geraniol		No data available				
citronellol		No data available				

Terrestrial toxicity

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

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
Zeolite	NOEC	5000	<i>Not specified</i>	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:

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
Zeolite					Not applicable (inorganic substance)
Attapulgit					Not applicable (inorganic substance)
geranyl acetate	Activated sludge, aerobe	CO ₂ production			Readily biodegradable
linalool	Activated sludge, aerobe	Oxygen depletion	64.2% in 28 day(s)	OECD 301D	Readily biodegradable
p-mentha-1,4(8)-diene				OECD 301D	Readily biodegradable
Isocyclocitral		Episuite			Readily biodegradable
cineole				OECD 301F	Readily biodegradable
allyl heptanoate	Activated sludge, aerobe		40%	OECD 301D	Not readily biodegradable.
d-limonene			80 % in 28 day(s)	OECD 301D	Readily biodegradable
geraniol				OECD 301F	Readily biodegradable
citronellol	Activated sludge, aerobe	CO ₂ production		OECD 301F	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 K_{ow})

Ingredient(s)	Value	Method	Evaluation	Remark
Zeolite	No data available			
Attapulgit	No data available			
geranyl acetate	No data available			
linalool	No data available			
p-mentha-1,4(8)-diene	No data available			
Isocyclocitral	No data available			
cineole	No data available			
allyl heptanoate	No data available			

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d-limonene	No data available		High potential for bioaccumulation	
geraniol	No data available			
citronellol	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Zeolite	No data available			No bioaccumulation expected	
Attapulgit	No data available				
geranyl acetate	No data available				
linalool	No data available				
p-mentha-1,4(8)-diene	No data available				
Isocyclocitral	No data available				
cineole	No data available				
allyl heptanoate	No data available				
d-limonene	683.1		Method not given	High potential for bioaccumulation	
geraniol	No data available				
citronellol	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
Zeolite	No data available				
Attapulgit	No data available				
geranyl acetate	No data available				
linalool	No data available				
p-mentha-1,4(8)-diene	No data available				
Isocyclocitral	No data available				
cineole	No data available				
allyl heptanoate	No data available				
d-limonene	No data available				High potential for mobility in soil
geraniol	No data available				
citronellol	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 03 05* - organic wastes 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: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

14.3 Transport hazard class(es): Non-dangerous goods

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

14.6 Special precautions for user: Non-dangerous goods

14.7 Maritime transport in bulk according to IMO instruments: Non-dangerous goods

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
- 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
- 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.

Seveso - Classification: Not classified

15.2 Chemical safety assessment

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

SECTION 16: Other information

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

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This data sheet contains changes from the previous version in section(s):, 1, 2, 3, 8, 9, 11, 12, 14, 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.

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
- 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
- H226 - Flammable liquid and vapour.
- H301 - Toxic if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H311 - Toxic in contact with skin.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- 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