

**TASKI Tapi Deo C9a**

Revision: 2024-09-09

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 Europe Operations BV, De Corridor 4, 3621ZB Breukelen [Maarssebroeksedijk 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@solenis.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**

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**

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
geranyl acetate	203-341-5	105-87-3	01-211997348 0-35	Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 3 (H412)		0.1-1
linalool	201-134-4	78-70-6	01-211947401 6-42	Skin irritation, Category 2 (H315) Eye irritation, Category 2 (H319) Skin sensitisation, Sub-category 1B (H317)		0.1-1
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	Eye irritation, Category 2 (H319)		0.1-1

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			7-69	Skin sensitisation, Sub-category 1B (H317) Chronic aquatic toxicity, Category 3 (H412)	
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

**Specific concentration limits**

isoeugenol:

- Skin sensitisation, Category 1 (H317)  $\geq$  0.01%

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.

**Advice 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
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)
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 <sup>2</sup> 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 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)
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

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allyl heptanoate	No data available	No data available	No data available	No data available
d-limonene	0.111 mg/cm <sup>2</sup> 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/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
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/m<sup>3</sup>)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
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)
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 <sup>3</sup> )
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	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.

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## 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  
**Initial boiling point and boiling range (°C):** Not determined

Not relevant to classification of this product  
 Not applicable to solids or gases

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
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

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 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)
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	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

**Vapour pressure:** Not determined

**Method / remark**  
See substance data

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
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		

**Relative density:** ≈ 0.73 (20 °C)

**Relative vapour density:** No data available.

**Particle characteristics:** Not determined.

**Method / remark**  
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

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

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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)
geranyl acetate		No data available				Not established
linalool	LD <sub>50</sub>	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 <sub>50</sub>	218	Rat	Method not given		218
d-limonene	LD <sub>50</sub>	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)
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 <sub>50</sub>	810	Rabbit	Method not given		810
d-limonene	LD <sub>50</sub>	> 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)
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)
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

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**Irritation and corrosivity**

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
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
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
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)
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
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			



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**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
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
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

## Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
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
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

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Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
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 inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
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
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)
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

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STOT-repeated exposure

Ingredient(s)	Affected organ(s)
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)
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 <sub>50</sub>	0.12	<i>Brachydanio rerio</i>	OECD 203, semi-static	96
d-limonene	LC <sub>50</sub>	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)
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	EC <sub>50</sub>	0.36	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
geraniol		No data			

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		available			
	citronellol	No data available			

## Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
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 <sub>r</sub> C <sub>50</sub>	150	<i>Desmodemus 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)
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
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

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
geranyl acetate		No data available				
linalool		No data available				
p-mentha-1,4(8)-diene		No data				

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		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
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
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				

**Terrestrial toxicity**

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

Terrestrial toxicity - plants, if available:

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:

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Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
geranyl acetate	Activated sludge, aerobe	CO <sub>2</sub> 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 <sub>2</sub> 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<sub>ow</sub>)

Ingredient(s)	Value	Method	Evaluation	Remark
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 bioaccumulation	
geraniol	No data available			
citronellol	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
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 K <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (des)	Method	Soil/sediment type	Evaluation
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.

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**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****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- 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.

**Comah - 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*

**SDS code:** MS1006152

**Version:** 02.0

**Revision:** 2024-09-09

**Reason for revision:**

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.

**TASKI Tapi Deo C9a****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**