



## Enhance Extraction Cleaner

Revision: 2018-01-25

Version: 02.1

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

#### 1.1 Product identifier

Trade name: Enhance Extraction Cleaner

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

##### Identified uses:

For professional use only.

AISE-P410 - Carpet cleaner. Semi-automatic process

Uses advised against: Uses other than those identified are not recommended

#### 1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

#### Contact details

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@diversey.com

#### 1.4 Emergency telephone number

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 EUH208: 1,2-benzisothiazol-3(2H)-one (Benzisothiazolinone)

#### Hazard statements:

EUH208 - May produce an allergic reaction.

EUH210 - Safety data sheet available on request.

#### 2.3 Other hazards

No other hazards known

The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No 1907/2006, Annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
alkyl alcohol alkoxylate	Polymer*	111905-53-4	[4]	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)		3-10
alkyl alcohol ethoxylate	Polymer*	68439-49-6	[4]	Aquatic Chronic 3 (H412)		1-3
sodium cumenesulphonate	239-854-6	15763-76-5	01-2119489411-37	Eye Irrit. 2 (H319)		1-3
2-tert-butylcyclohexyl acetate	201-828-7	88-41-5	No data available	Aquatic Chronic 2 (H411)		0.1-1
1,2-benzisothiazol-3(2H)-one	220-120-9	2634-33-5	No data available	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400)		0.01-0.1

\* Polymer.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

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

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

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[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.

[3] Exempted: Annex V of Regulation (EC) No 1907/2006.

[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Get medical attention or advice if you feel unwell.
<b>Skin contact:</b>	If skin irritation occurs: Get medical advice or attention. Wash skin with plenty of lukewarm, gently flowing water.
<b>Eye contact:</b>	If irritation occurs and persists, get medical attention. Rinse cautiously with water for several minutes.
<b>Ingestion:</b>	Get medical attention or advice if you feel unwell. Immediately drink 1 glass of water. Rinse mouth.
<b>Self-protection of first aider:</b>	Consider personal protective equipment as indicated in subsection 8.2.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Inhalation:</b>	No known effects or symptoms in normal use.
<b>Skin contact:</b>	No known effects or symptoms in normal use.
<b>Eye contact:</b>	No known effects or symptoms in normal use.
<b>Ingestion:</b>	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. Dilute with plenty of water.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

### 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. Keep away from food, drink and animal feeding stuffs. 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. Keep only in original container. 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 oral exposure - Consumer (mg/kg bw)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium cumenesulphonate	-	-	-	3.8
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

DNEL dermal exposure - Worker

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium cumenesulphonate	-	-	-	7.6
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

DNEL dermal exposure - Consumer

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium cumenesulphonate	-	-	-	3.8
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

DNEL 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
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium cumenesulphonate	-	-	-	3.8
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

DNEL 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
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium cumenesulphonate	-	-	-	13.2
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

#### 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)
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available
sodium cumenesulphonate	0.23	-	2.3	100
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m <sup>3</sup> )
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
alkyl alcohol ethoxylate	No data available	No data available	No data available	No data available

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sodium cumenesulphonate	-	-	-	-
2-tert-butylcyclohexyl acetate	No data available	No data available	No data available	No data available
1,2-benzisothiazol-3(2H)-one	-	-	-	-

## 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

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

## Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 166).

**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:** Liquid

**Colour:** Clear, Pale, Yellow

**Odour:** Slightly perfumed

**Odour threshold:** Not applicable

**pH:** ≈ 8 (neat)

**Melting point/freezing point (°C):** Not determined

Not relevant to classification of this product

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

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
alkyl alcohol alkoxylate	No data available		
alkyl alcohol ethoxylate	No data available		
sodium cumenesulphonate	No data available		
2-tert-butylcyclohexyl acetate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		

## Method / remark

**Flash point (°C):** Not applicable.

**Sustained combustion:** Not applicable.

( UN Manual of Tests and Criteria, section 32, L.2 )

**Evaporation rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/lower flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

## Method / remark

**Vapour pressure:** Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
alkyl alcohol alkoxylate	No data available		
alkyl alcohol ethoxylate	< 10	Method not given	20
sodium cumenesulphonate	No data available		
2-tert-butylcyclohexyl acetate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		

## Method / remark

**Vapour density:** Not determined

**Relative density:** ≈ 1.03 (20 °C)

**Solubility in / Miscibility with Water:** Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
alkyl alcohol alkoxylate	No data available		
alkyl alcohol ethoxylate	Soluble	Method not given	
sodium cumenesulphonate	493 Soluble	Method not given	20
2-tert-butylcyclohexyl acetate	No data available		
1,2-benzisothiazol-3(2H)-one	No data available		

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

**Method / remark**

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not applicable.  
**Viscosity:** Not determined  
**Explosive properties:** Not explosive.  
**Oxidising properties:** Not oxidising.

#### 9.2 Other information

**Surface tension (N/m):** Not determined  
**Corrosion to metals:** Not corrosive

Not relevant to classification of this product  
 Weight of evidence

Substance data, dissociation constant, if 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

No data is available on the mixture.

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)
alkyl alcohol alkoxylate	LD <sub>50</sub>	> 2000	Rat	Method not given	
alkyl alcohol ethoxylate	LD <sub>50</sub>	> 2000	Rat	Method not given	
sodium cumenesulphonate	LD <sub>50</sub>	> 7000	Rat	Method not given	
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one	LD <sub>50</sub>	> 2000	Rat		

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
alkyl alcohol alkoxylate		No data available			
alkyl alcohol ethoxylate		No data available			

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		available		
sodium cumenesulphonate	LD <sub>50</sub>	> 2000	Rabbit	Method not given
2-tert-butylcyclohexyl acetate		No data available		
1,2-benzisothiazol-3(2H)-one	LD <sub>50</sub>	> 2000	Rat	OECD 402 (EU B.3)

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol alkoxylate		No data available			
alkyl alcohol ethoxylate		No data available			
sodium cumenesulphonate	LC <sub>50</sub>	> 5 (mist) No mortality observed	Rat	Read across	3.87
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol alkoxylate	Irritant	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol ethoxylate	Not irritant	Rabbit	Non guideline test	
sodium cumenesulphonate	Not irritant	Rabbit	OECD 404 (EU B.4)	
2-tert-butylcyclohexyl acetate	No data available			
1,2-benzisothiazol-3(2H)-one	Corrosive			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol alkoxylate	Irritant	Rabbit	OECD 405 (EU B.5)	
alkyl alcohol ethoxylate	Not corrosive or irritant	Rabbit	Non guideline test	
sodium cumenesulphonate	Irritant	Rabbit	OECD 405 (EU B.5)	
2-tert-butylcyclohexyl acetate	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol alkoxylate	No data available			
alkyl alcohol ethoxylate	No data available			
sodium cumenesulphonate	No data available			
2-tert-butylcyclohexyl acetate	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
alkyl alcohol alkoxylate	No data available			
alkyl alcohol ethoxylate	Not sensitising		Method not given	
sodium cumenesulphonate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
2-tert-butylcyclohexyl acetate	No data available			
1,2-benzisothiazol-3(2H)-one	Sensitising	Guinea pig		

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
alkyl alcohol alkoxylate	No data available			
alkyl alcohol ethoxylate	No data available			
sodium cumenesulphonate	No data available			
2-tert-butylcyclohexyl acetate	No data available			
1,2-benzisothiazol-3(2H)-one	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)
alkyl alcohol alkoxylate	No data available		No data available	
alkyl alcohol ethoxylate	No data available		No data available	
sodium cumenesulphonate	No evidence for mutagenicity, negative	Method not	No evidence for mutagenicity, negative	OECD 474 (EU

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	test results	given	test results	B.12)
2-tert-butylcyclohexyl acetate	No data available		No data available	
1,2-benzisothiazol-3(2H)-one	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	

## Carcinogenicity

Ingredient(s)	Effect
alkyl alcohol alkoxylate	No data available
alkyl alcohol ethoxylate	No data available
sodium cumenesulphonate	No evidence for carcinogenicity, negative test results
2-tert-butylcyclohexyl acetate	No data available
1,2-benzisothiazol-3(2H)-one	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
alkyl alcohol alkoxylate			No data available				
alkyl alcohol ethoxylate			No data available				
sodium cumenesulphonate	NOAEL	Teratogenic effects	> 936	Rat	Non guideline test		No known significant effects or critical hazards
2-tert-butylcyclohexyl acetate			No data available				
1,2-benzisothiazol-3(2H)-one			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
alkyl alcohol alkoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
sodium cumenesulphonate	NOAEL	763 - 3534	Rat	OECD 408 (EU B.26)		No effects observed
2-tert-butylcyclohexyl acetate		No data available				
1,2-benzisothiazol-3(2H)-one		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
alkyl alcohol alkoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
sodium cumenesulphonate		No data available				
2-tert-butylcyclohexyl acetate		No data available				
1,2-benzisothiazol-3(2H)-one		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
alkyl alcohol alkoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
sodium cumenesulphonate		No data available				
2-tert-butylcyclohexyl acetate		No data available				
1,2-benzisothiazol-3(2H)-one		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
alkyl alcohol alkoxylate			No data available					
alkyl alcohol ethoxylate			No data available					
sodium cumenesulphonate			No data available					
2-tert-butylcyclohexyl			No data					

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acetate			available				
1,2-benzisothiazol-3(2H)-one			No data available				

## STOT-single exposure

Ingredient(s)	Affected organ(s)
alkyl alcohol alkoxylate	No data available
alkyl alcohol ethoxylate	No data available
sodium cumenesulphonate	Not applicable
2-tert-butylcyclohexyl acetate	No data available
1,2-benzisothiazol-3(2H)-one	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
alkyl alcohol alkoxylate	No data available
alkyl alcohol ethoxylate	No data available
sodium cumenesulphonate	Not applicable
2-tert-butylcyclohexyl acetate	No data available
1,2-benzisothiazol-3(2H)-one	No data available

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

## Potential adverse health effects and symptoms

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

## 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)
alkyl alcohol alkoxylate	LC <sub>50</sub>	1 - 10	<i>Leuciscus idus</i>	Method not given	48
alkyl alcohol ethoxylate	LC <sub>50</sub>	1 - 10	<i>Leuciscus idus</i>	Method not given	96
sodium cumenesulphonate	LC <sub>50</sub>	> 1000	<i>Fish</i>	EPA-OPPTS 850.1075	96
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol alkoxylate	EC <sub>50</sub>	1 - 10	<i>Not specified</i>	Method not given	48
alkyl alcohol ethoxylate		No data available			-
sodium cumenesulphonate	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
alkyl alcohol alkoxylate		No data available			-
alkyl alcohol ethoxylate		No data available			-
sodium cumenesulphonate	EC <sub>50</sub>	> 230	<i>Not specified</i>	EPA OPPTS 850.5400	96
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
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alkyl alcohol alkoxylate		No data available			-
alkyl alcohol ethoxylate		No data available			-
sodium cumenesulphonate		No data available			-
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
alkyl alcohol alkoxylate	EC <sub>10</sub>	> 1000	Activated sludge	DEV-L2	
alkyl alcohol ethoxylate	EC <sub>10</sub>	> 5000	Activated sludge	DEV-L2	
sodium cumenesulphonate	E <sub>r</sub> C <sub>50</sub>	> 1000	Bacteria	OECD 209	3 hour(s)
2-tert-butylcyclohexyl acetate		No data available			
1,2-benzisothiazol-3(2H)-one	EC <sub>20</sub>	3.3	Activated sludge	OECD 209	3 hour(s)

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
alkyl alcohol alkoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
sodium cumenesulphonate		No data available				
2-tert-butylcyclohexyl acetate		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
alkyl alcohol alkoxylate		No data available				
alkyl alcohol ethoxylate		No data available				
sodium cumenesulphonate		No data available				
2-tert-butylcyclohexyl acetate		No data available				
1,2-benzisothiazol-3(2H)-one		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
alkyl alcohol alkoxylate		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium cumenesulphonate		No data available			-	
2-tert-butylcyclohexyl acetate		No data available				
1,2-benzisothiazol-3(2H)-one		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
alkyl alcohol alkoxylate		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium cumenesulphonate		No data available			-	

## Terrestrial toxicity - plants, if available:

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Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
alkyl alcohol alkoxylate		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium cumenesulphonate		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
alkyl alcohol alkoxylate		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium cumenesulphonate		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
alkyl alcohol alkoxylate		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium cumenesulphonate		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
alkyl alcohol alkoxylate		No data available			-	
alkyl alcohol ethoxylate		No data available			-	
sodium cumenesulphonate		No data 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 <sub>50</sub>	Method	Evaluation
alkyl alcohol alkoxylate			> 60 % in 28 day(s)	OECD 301F	Readily biodegradable
alkyl alcohol ethoxylate		CO <sub>2</sub> production	> 60 % in 28 day(s)	Method not given	Readily biodegradable
sodium cumenesulphonate		CO <sub>2</sub> production	103 - 109% in 28 day(s)	OECD 301B	Readily biodegradable
2-tert-butylcyclohexyl acetate				Method not given	Not readily biodegradable.
1,2-benzisothiazol-3(2H)-one				Weight of evidence	Not readily biodegradable.

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

Ingredient(s)	Medium & Type	Analytical method	DT <sub>50</sub>	Method	Evaluation
1,2-benzisothiazol-3(2H)-one	Sewage treatment plant simulation	Primary degradation	> 90%	OECD 303A	Biodegradable

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
alkyl alcohol alkoxylate	No data available			
alkyl alcohol ethoxylate	No data available		No bioaccumulation expected	
sodium cumenesulphonate	-1.1	Method not given	No bioaccumulation expected	
2-tert-butylcyclohexyl acetate	No data available			

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1,2-benzisothiazol-3(2H)-one	0.7	OECD 107	No bioaccumulation expected	
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## Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
alkyl alcohol alkoxylate	No data available				
alkyl alcohol ethoxylate	No data available				
sodium cumenesulphonate	No data available				
2-tert-butylcyclohexyl acetate	No data available				
1,2-benzisothiazol-3(2H)-one	6.95		OECD 305		

## 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
alkyl alcohol alkoxylate	No data available				
alkyl alcohol ethoxylate	No data available				Potential for adsorption to soil
sodium cumenesulphonate	No data available				
2-tert-butylcyclohexyl acetate	No data available				
1,2-benzisothiazol-3(2H)-one	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 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.  
20 01 30 - detergents other than those mentioned in 20 01 29.

## European Waste Catalogue:

## Empty packaging

## Recommendation:

Dispose of observing national or local regulations.

## Suitable cleaning agents:

Water, if necessary with cleaning agent.

## SECTION 14: Transport information

## Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

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

Class: -

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 Transport in bulk according to Annex II of MARPOL and the IBC Code: 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 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH
- Regulation (EC) No. 648/2004 - Detergents regulation

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

## Ingredients according to EC Detergents Regulation 648/2004

non-ionic surfactants

5 - 15%

polycarboxylates, soap

&lt; 5%

perfumes, Hexyl Cinnamal, Butylphenyl Methylpropional, Benzisothiazolinone

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be

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made available to them, at their direct request or at the request of a detergent manufacturer.

**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:** MSDS7192

**Version:** 02.1

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**Reason for revision:**

This data sheet contains changes from the previous version in section(s):, 2, 3, 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:**

- H302 - Harmful if swallowed.
- 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.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

**End of Safety Data Sheet**