

## Enhance Anti Gum

Revision: 2014-10-08

Version: 02.0

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

#### 1.1 Product identifier

**Trade name:** Enhance Anti Gum

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

##### Identified uses:

For professional use only.

AISE-P409 - Carpet cleaner. Manual process

AISE-P411 - Carpet cleaner. Spray and brush manual 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: MSDSinfoUK@sealedair.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

The product has been classified and labelled in accordance with Regulation (EC) No 1272/2008.

EUH066

#### Classification in accordance with Directive 1999/45/EC and corresponding national legislation

##### Indication of danger

Xi - Irritant

##### Risk phrases:

R66 - Repeated exposure may cause skin dryness or cracking.

#### 2.2 Label elements

##### Hazard statements:

EUH066 - Repeated exposure may cause skin dryness or cracking.

#### 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	Classification (1999/45/EC)	Notes	Weight percent
naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	No data available	Asp. Tox. 1 (H304) EUH066	Xn;R65 R66		50-75
(2-methoxymethylethoxy)propa nol	252-104-2	34590-94-8	01-2119450011-60		-		20-30

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alkyl alcohol alkoxylate	Polymer*	111905-53-4	[4]	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Chronic 3 (H412)	Xi;R36/38		3-10
silicon dioxide	231-545-4	7631-86-9	No data available		-		1-3

\* Polymer.

For the full text of the R, 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.

[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

#### Inhalation:

Get medical attention or advice if you feel unwell.

#### Skin contact:

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. 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:

Repeated exposure may cause skin dryness or cracking.

#### 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. 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 Sealed Air. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Use only with adequate ventilation.

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**7.2 Conditions for safe storage, including any incompatibilities**

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

Ingredient(s)	UK - Long term value(s)	UK - Short term value(s)
(2-methoxymethylethoxy)propanol	50 ppm 308 mg/m <sup>3</sup>	150 ppm 924 mg/m <sup>3</sup>
silicon dioxide	6 mg/m <sup>3</sup> inhalable dust 2.4 mg/m <sup>3</sup> respirable dust	18 mg/m <sup>3</sup> inhalable dust 7.2 mg/m <sup>3</sup> respirable dust

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
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	1.67
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	No data available	No data available	No data available	No data available

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)
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	65
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	No data available	No data available	No data available	No data available

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)
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	15
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	No data available	No data available	No data available	No data available

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
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	310
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	No data available	No data available	No data available	No data available

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
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	No data available	No data available	No data available	37.2
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	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)
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	19	1.9	190	4168

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alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	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/m³)
naphtha (petroleum), hydrotreated heavy	No data available	No data available	No data available	No data available
(2-methoxymethylethoxy)propanol	70.2	7.02	2.74	190
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
silicon dioxide	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.

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:** Use only in well ventilated areas.  
**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.  
**Hand protection:** Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

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

## SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

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

## Method / remark

**Physical State:** Liquid  
**Colour:** Clear, Colourless  
**Odour:** Product specific  
**Odour threshold:** Not applicable  
**pH:**  
**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
naphtha (petroleum), hydrotreated heavy	No data available		
(2-methoxymethylethoxy)propanol	189.6	Method not given	1013
alkyl alcohol alkoxylate	No data available		
silicon dioxide	No data available		

## Method / remark

**Flash point (°C):** Not applicable.  
**Sustained combustion:** Not determined  
**Evaporation rate:** Not determined  
**Flammability (solid, gas):** Not determined  
**Upper/lower flammability limit (%):** Not determined

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
(2-methoxymethylethoxy)propanol	1.1	14

## Method / remark

**Vapour pressure:** Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
naphtha (petroleum), hydrotreated heavy	No data available		
(2-methoxymethylethoxy)propanol	5500	Method not given	20

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alkyl alcohol alkoxylate	No data available		
silicon dioxide	No data available		

## Method / remark

**Vapour density:** Not determined

**Relative density:** 0.86 g/cm<sup>3</sup> (20 °C)

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

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
naphtha (petroleum), hydrotreated heavy	No data available		
(2-methoxymethylethoxy)propanol	Soluble	Method not given	20
alkyl alcohol alkoxylate	No data available		
silicon dioxide	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 determined

**Viscosity:** ≈ 230 mPa.s (20 °C)

**Explosive properties:** Not explosive.

**Oxidising properties:** Not oxidising

## 9.2 Other information

**Surface tension (N/m):** Not determined

**Corrosion to metals:** Not corrosive

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)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol	LD <sub>50</sub>	> 4000	Rat	Method not given	
alkyl alcohol alkoxylate	LD <sub>50</sub>	> 2000	Rat	Method not given	
silicon dioxide		No data available			

Acute dermal toxicity

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Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol	LD <sub>50</sub>	9510	Rabbit	Method not given	
alkyl alcohol alkoxylate		No data available			
silicon dioxide		No data available			

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol		No data available			
alkyl alcohol alkoxylate		No data available			
silicon dioxide		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
naphtha (petroleum), hydrotreated heavy	No data available			
(2-methoxymethylethoxy)propanol	Not irritant		Method not given	
alkyl alcohol alkoxylate	Irritant	Rabbit	OECD 404 (EU B.4)	
silicon dioxide	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
naphtha (petroleum), hydrotreated heavy	No data available			
(2-methoxymethylethoxy)propanol	Not corrosive or irritant		Method not given	
alkyl alcohol alkoxylate	Irritant	Rabbit	OECD 405 (EU B.5)	
silicon dioxide	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
naphtha (petroleum), hydrotreated heavy	No data available			
(2-methoxymethylethoxy)propanol	No data available			
alkyl alcohol alkoxylate	No data available			
silicon dioxide	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
naphtha (petroleum), hydrotreated heavy	No data available			
(2-methoxymethylethoxy)propanol	Not sensitising		Method not given	
alkyl alcohol alkoxylate	No data available			
silicon dioxide	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
naphtha (petroleum), hydrotreated heavy	No data available			
(2-methoxymethylethoxy)propanol	No data available			
alkyl alcohol alkoxylate	No data available			
silicon dioxide	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)
naphtha (petroleum), hydrotreated heavy	No data available		No data available	
(2-methoxymethylethoxy)propanol	No evidence for mutagenicity, negative test results	Method not given	No data available	
alkyl alcohol alkoxylate	No data available		No data available	
silicon dioxide	No data available		No data available	

## Carcinogenicity

Ingredient(s)	Effect
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naphtha (petroleum), hydrotreated heavy	No data available
(2-methoxymethylethoxy)propanol	No evidence for carcinogenicity, negative test results
alkyl alcohol alkoxylate	No data available
silicon dioxide	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
naphtha (petroleum), hydrotreated heavy			No data available				
(2-methoxymethylethoxy)propanol		Developmental toxicity	No data available				No evidence for reproductive toxicity
alkyl alcohol alkoxylate			No data available				
silicon dioxide			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
naphtha (petroleum), hydrotreated heavy		No data available				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol alkoxylate		No data available				
silicon dioxide		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
naphtha (petroleum), hydrotreated heavy		No data available				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol alkoxylate		No data available				
silicon dioxide		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
naphtha (petroleum), hydrotreated heavy		No data available				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol alkoxylate		No data available				
silicon dioxide		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
naphtha (petroleum), hydrotreated heavy			No data available					
(2-methoxymethylethoxy)propanol			No data available					
alkyl alcohol alkoxylate			No data available					
silicon dioxide			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
naphtha (petroleum), hydrotreated heavy	No data available
(2-methoxymethylethoxy)propanol	No data available
alkyl alcohol alkoxylate	No data available
silicon dioxide	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
naphtha (petroleum), hydrotreated heavy	No data available
(2-methoxymethylethoxy)propanol	No data available
alkyl alcohol alkoxylate	No data available
silicon dioxide	No data available

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**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)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol	LC <sub>50</sub>	> 1000	<i>Poecilia reticulata</i>	Method not given	96
alkyl alcohol alkoxylate	LC <sub>50</sub>	1 - 10	<i>Leuciscus idus</i>	Method not given	48
silicon dioxide		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol	EC <sub>50</sub>	1919	<i>Daphnia magna</i> Straus	Method not given	48
alkyl alcohol alkoxylate	EC <sub>50</sub>	1 - 10	Not specified	Method not given	48
silicon dioxide		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol	EC <sub>50</sub>	> 969	<i>Selenastrum capricornutum</i>	Method not given	72
alkyl alcohol alkoxylate		No data available			
silicon dioxide		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol		No data available			
alkyl alcohol alkoxylate		No data available			
silicon dioxide		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
naphtha (petroleum), hydrotreated heavy		No data available			
(2-methoxymethylethoxy)propanol	EC <sub>10</sub>	4168	<i>Pseudomonas putida</i>	Method not given	
alkyl alcohol alkoxylate	EC <sub>10</sub>	> 1000	Activated sludge	DEV-L2	
silicon dioxide		No data available			

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
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naphtha (petroleum), hydrotreated heavy		No data available				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol alkoxylate		No data available				
silicon dioxide		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
naphtha (petroleum), hydrotreated heavy		No data available				
(2-methoxymethylethoxy)propanol	NOEC	> 0.5	<i>Daphnia magna</i>	Method not given	22 day(s)	
alkyl alcohol alkoxylate		No data available				
silicon dioxide		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
naphtha (petroleum), hydrotreated heavy		No data available				
(2-methoxymethylethoxy)propanol		No data available				
alkyl alcohol alkoxylate		No data available				
silicon dioxide		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:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
(2-methoxymethylethoxy)propanol	< 1 day(s)	Method not given	Rapidly photodegradable	

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
naphtha (petroleum), hydrotreated heavy					No data available
(2-methoxymethylethoxy)propanol		Oxygen depletion	75 % in 28 day(s)	OECD 301F	Readily biodegradable
alkyl alcohol alkoxylate			> 60 % in 28 day(s)	OECD 301F	Readily biodegradable
silicon dioxide					No data available

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

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

## 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K<sub>ow</sub>)

Ingredient(s)	Value	Method	Evaluation	Remark
naphtha (petroleum), hydrotreated heavy	No data available			
(2-methoxymethylethoxy)propanol	1.01	Method not given	Low potential for bioaccumulation	

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alkyl alcohol alkoxylate	No data available			
silicon dioxide	No data available			

## Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
naphtha (petroleum), hydrotreated heavy	No data available				
(2-methoxymethylethoxy)propanol	No data available				
alkyl alcohol alkoxylate	No data available				
silicon dioxide	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
naphtha (petroleum), hydrotreated heavy	No data available				
(2-methoxymethylethoxy)propanol	No data available				High potential for mobility in soil
alkyl alcohol alkoxylate	No data available				
silicon dioxide	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.

European Waste Catalogue:

16 03 05\* - organic wastes containing dangerous substances.

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

Suitable cleaning agents:

Water, if necessary with cleaning agent.

## SECTION 14: Transport information

## ADR, RID, ADN, IMO/IMDG, ICAO/IATA

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 73/78 and the IBC Code: The product is not transported in bulk tankers.

## SECTION 15: Regulatory information

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

## Ingredients according to EC Detergents Regulation 648/2004

aliphatic hydrocarbons

&gt;=30%

non-ionic surfactants

&lt; 5%

perfumes

## 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

## Enhance Anti Gum

MSDS code: MSDSGB6710

Version: 02.0

Revision: 2014-10-08

**Reason for revision:**

Overall design adjusted in accordance with Amendment 453/2010, Annex II of Regulation (EC) No 1907/2006

**Classification procedure**

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

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

- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H412 - Harmful to aquatic life with long lasting effects.
- EUH066 - Repeated exposure may cause skin dryness or cracking.
- R36 - Irritating to eyes.
- R38 - Irritating to skin.
- R65 - Harmful: may cause lung damage if swallowed.
- R66 - Repeated exposure may cause skin dryness or cracking.

**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**