

**Deosan Coldbrite**

Revision: 2017-03-20

Version: 03.1

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

**1.1 Product identifier**

Trade name: Deosan Coldbrite

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

**Identified uses:**

For professional and industrial use only.

AISE-P801 - Food process cleaner. Cleaning In place (CIP) process

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

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

**Contact details**

Diversey Ltd

Weston Favell Centre, Northampton NN3 8PD, United Kingdom

Tel: 01604 405311, Fax: 01604 406809

Regulatory Email: customerservice.uk@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**

Skin Irrit. 2 (H315)

Eye Dam. 1 (H318)

Aquatic Chronic 3 (H412)

Met. Corr. 1 (H290)

**2.2 Label elements**



**Signal word:** Danger.

Contains phosphoric acid (Phosphoric Acid), Alkylpolyethoxypolypropoxybenzylether .

**Hazard statements:**

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H412 - Harmful to aquatic life with long lasting effects.

H290 - May be corrosive to metals.

**Precautionary statements:**

P280 - Wear eye or face protection.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTRE, doctor or physician.

**2.3 Other hazards**

No other hazards known

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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
phosphoric acid	231-633-2	7664-38-2	01-2119485924-24	Skin Corr. 1B (H314) Met. Corr. 1 (H290)		10-20
toluenesulphonic acid	274-893-2	70788-37-3	No data available	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		10-20
Alkylpolyethoxypolypropoxybenzylether	Polymer*	68154-99-4	[4]	Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		1-3
alkyl alcohol alkoxylate	Polymer*	69227-21-0	[4]	Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)		1-3
fatty acid, C8-10	273-086-2	68937-75-7	01-2119555294-36	Skin Corr. 1B (H314)		1-3
alkyl alcohol alkoxylate	Polymer*	-	[4]	Aquatic Chronic 2 (H411)		1-3

\* 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.

[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>	Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before re-use. If skin irritation occurs: Get medical advice or attention.
<b>Eye contact:</b>	Immediately rinse eyes cautiously with lukewarm water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.
<b>Ingestion:</b>	Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.
<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>	Causes irritation.
<b>Eye contact:</b>	Causes severe or permanent damage.
<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

Wear eye/face protection.

#### 6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

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

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

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**6.4 Reference to other sections**

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. 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. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with eyes. Use only with adequate ventilation.

**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)
phosphoric acid	1 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

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
phosphoric acid	-	-	-	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	-	-	-	-
alkyl alcohol alkoxylate	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)
phosphoric acid	No data available	-	No data available	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	-	-	-	-
alkyl alcohol alkoxylate	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)
phosphoric acid	No data available	-	No data available	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	-	-	-	-
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available

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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
phosphoric acid	-	-	2.92	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	-	-	-	-
alkyl alcohol alkoxylate	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
phosphoric acid	-	-	0.73	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	-	-	-	-
alkyl alcohol alkoxylate	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)
phosphoric acid	-	-	-	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	0.007	0.0007	0.15	912
alkyl alcohol alkoxylate	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> )
phosphoric acid	-	-	-	-
toluenesulphonic acid	No data available	No data available	No data available	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available	No data available	No data available	No data available
alkyl alcohol alkoxylate	No data available	No data available	No data available	No data available
fatty acid, C8-10	0.0739	0.00739	0.0107	-
alkyl alcohol alkoxylate	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:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

**Appropriate engineering controls:**

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

**Appropriate organisational controls:**

Avoid direct contact and/or splashes where possible Train personnel

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

Safety glasses or goggles (EN 166).

**Hand protection:**

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: >= 480 min  
Material thickness: >= 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: >= 30 min  
Material thickness: >= 0.4 mm

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

**Body protection:**

No special requirements under normal use conditions.

**Respiratory protection:**

No special requirements under normal use conditions.

**Environmental exposure controls:**

Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:

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**Recommended maximum concentration (%):** 1

**Appropriate engineering controls:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

**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:** Liquid

**Colour:** Pale, from Red to Colourless

**Odour:** Product specific

**Odour threshold:** Not applicable

**pH:** < 2 (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)
phosphoric acid	158	Method not given	1013
toluenesulphonic acid	No data available		
Alkylpolyethoxypolypropoxybenzylether	> 200	Non-experimental data	
alkyl alcohol alkoxylate	No data available		
fatty acid, C8-10	239 - 267	Method not given	10
alkyl alcohol alkoxylate	No data available		

**Method / remark**

**Flash point (°C):** Not applicable.

**Sustained combustion:** Not applicable.

**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)
phosphoric acid	4	Method not given	20
toluenesulphonic acid	No data available		
Alkylpolyethoxypolypropoxybenzylether	< 1.3	Non-experimental data	20
alkyl alcohol alkoxylate	No data available		
fatty acid, C8-10	1	Method not given	20
alkyl alcohol alkoxylate	No data available		

**Method / remark**

**Vapour density:** Not determined

**Relative density:** Not determined

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

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
phosphoric acid	Soluble		
toluenesulphonic acid	No data available		
Alkylpolyethoxypolypropoxybenzylether	Soluble		
alkyl alcohol alkoxylate	No data available		
fatty acid, C8-10	61.8 - 680	Method not given	20

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alkyl alcohol alkoxyate	< 0.02	Method not given	
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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:** 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

Reacts with alkali and metals. Keep away from products containing chlorine-based bleaching agents or sulphites.

## 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

## SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

Mixture data:.

## Relevant calculated ATE(s):

ATE - Dermal (mg/kg): >2000

Substance data, where relevant and available, are listed below:.

## Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
phosphoric acid	LD <sub>50</sub>	2600	Rat	OECD 423 (EU B.1 tris)	
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether	LD <sub>50</sub>	2414	Rat	Method not given	
alkyl alcohol alkoxyate		No data available			
fatty acid, C8-10	LD <sub>50</sub>	> 2000	Rat	OECD 401 (EU B.1)	
alkyl alcohol alkoxyate	LD <sub>50</sub>	> 2000	Rat	Read across	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
phosphoric acid	LD <sub>50</sub>	2740	Rabbit	Method not given	
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether	LD <sub>50</sub>	2000	Rabbit	Method not given	
alkyl alcohol alkoxyate		No data available			
fatty acid, C8-10	LD <sub>50</sub>	> 2000		Weight of evidence	
alkyl alcohol alkoxyate		No data			

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		available		
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## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
phosphoric acid	LC <sub>50</sub>	850	Rat	Method not given	2
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether	LC <sub>50</sub>	> 7.1	Rat	Method not given	1
alkyl alcohol alkoxylate		No data available			
fatty acid, C8-10		No data available			
alkyl alcohol alkoxylate		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	Corrosive	Rabbit	OECD 404 (EU B.4)	
toluenesulphonic acid	No data available			
Alkylpolyethoxypolypropoxybenzylether	No data available			
alkyl alcohol alkoxylate	No data available			
fatty acid, C8-10	Corrosive	Rabbit	OECD 404 (EU B.4)	
alkyl alcohol alkoxylate	Not irritant	Rabbit	Draize test	

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	Severe damage	Rabbit	Method not given	
toluenesulphonic acid	No data available			
Alkylpolyethoxypolypropoxybenzylether	No data available			
alkyl alcohol alkoxylate	No data available			
fatty acid, C8-10	Severe damage	Rabbit	Non guideline test Read across	
alkyl alcohol alkoxylate	Not corrosive or irritant	Rabbit		

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	No data available			
toluenesulphonic acid	No data available			
Alkylpolyethoxypolypropoxybenzylether	No data available			
alkyl alcohol alkoxylate	No data available			
fatty acid, C8-10	No data available			
alkyl alcohol alkoxylate	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
phosphoric acid	Not sensitising	Human	Human experience	
toluenesulphonic acid	No data available			
Alkylpolyethoxypolypropoxybenzylether	No data available			
alkyl alcohol alkoxylate	No data available			
fatty acid, C8-10	Not sensitising			
alkyl alcohol alkoxylate	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
phosphoric acid	No data available			
toluenesulphonic acid	No data available			
Alkylpolyethoxypolypropoxybenzylether	No data available			
alkyl alcohol alkoxylate	No data available			
fatty acid, C8-10	No data available			
alkyl alcohol alkoxylate	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)
phosphoric acid	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD	No data available	

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		473 OECD 476 (Mouse lymphoma)	
toluenesulphonic acid	No data available		No data available
Alkylpolyethoxypolypropoxybenzylether	No data available		No data available
alkyl alcohol alkoxylate	No data available		No data available
fatty acid, C8-10	No evidence for mutagenicity	OECD 476 (Chinese Hamster Ovary)	No data available
alkyl alcohol alkoxylate	No data available		No data available

## Carcinogenicity

Ingredient(s)	Effect
phosphoric acid	No data available
toluenesulphonic acid	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available
alkyl alcohol alkoxylate	No data available
fatty acid, C8-10	No evidence for carcinogenicity, weight-of-evidence
alkyl alcohol alkoxylate	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
phosphoric acid	NOAEL	Developmental toxicity	410	Rat	OECD 422, oral	10 day(s)	No evidence for reproductive toxicity No evidence for developmental toxicity
toluenesulphonic acid			No data available				
Alkylpolyethoxypolypropoxybenzylether			No data available				
alkyl alcohol alkoxylate			No data available				
fatty acid, C8-10			No data available				No known significant effects or critical hazards
alkyl alcohol alkoxylate			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
phosphoric acid	NOAEL	250	Rat	OECD 422, oral		
toluenesulphonic acid		No data available				
Alkylpolyethoxypolypropoxybenzylether		No data available				
alkyl alcohol alkoxylate		No data available				
fatty acid, C8-10	NOAEL	1000	Rat	Method not given		
alkyl alcohol alkoxylate		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
phosphoric acid		No data available				
toluenesulphonic acid		No data available				
Alkylpolyethoxypolypropoxybenzylether		No data available				
alkyl alcohol alkoxylate		No data available				
fatty acid, C8-10		No data available				No effects observed
alkyl alcohol alkoxylate		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
phosphoric acid		No data available				
toluenesulphonic acid		No data available				
Alkylpolyethoxypolypropoxybenzylether		No data				



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		available				
alkyl alcohol alkoxylate		No data available				
fatty acid, C8-10		No data available				
alkyl alcohol alkoxylate		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
phosphoric acid			No data available					
toluenesulphonic acid			No data available					
Alkylpolyethoxypolypropoxybenzylether			No data available					
alkyl alcohol alkoxylate			No data available					
fatty acid, C8-10			No data available					
alkyl alcohol alkoxylate			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
phosphoric acid	No data available
toluenesulphonic acid	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available
alkyl alcohol alkoxylate	No data available
fatty acid, C8-10	No data available
alkyl alcohol alkoxylate	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
phosphoric acid	No data available
toluenesulphonic acid	No data available
Alkylpolyethoxypolypropoxybenzylether	No data available
alkyl alcohol alkoxylate	No data available
fatty acid, C8-10	No data available
alkyl alcohol alkoxylate	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)
phosphoric acid	LC <sub>50</sub>	138	<i>Gambusia affinis</i>	Method not given	96
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether		No data available			-
alkyl alcohol alkoxylate		No data available			
fatty acid, C8-10	LC <sub>50</sub>	> 20	<i>Oryzias latipes</i>	OECD 203 (EU C.1)	96
alkyl alcohol alkoxylate		No data available			-

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
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phosphoric acid	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether	EC <sub>50</sub>	6.3	<i>Daphnia magna Straus</i>	Method not given	48
alkyl alcohol alkoxylate		No data available			
fatty acid, C8-10		No data available			-
alkyl alcohol alkoxylate	EC <sub>50</sub>	10 - 100	<i>Daphnia magna Straus</i>	Method not given	48

## Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
phosphoric acid	EC <sub>50</sub>	> 100	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether		No data available			-
alkyl alcohol alkoxylate		No data available			
fatty acid, C8-10		No data available			-
alkyl alcohol alkoxylate		No data available			-

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
phosphoric acid		No data available			-
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether		No data available			-
alkyl alcohol alkoxylate		No data available			
fatty acid, C8-10		No data available			-
alkyl alcohol alkoxylate		No data available			-

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
phosphoric acid	EC <sub>50</sub>	270	<i>Activated sludge</i>	Method not given	
toluenesulphonic acid		No data available			
Alkylpolyethoxypolypropoxybenzylether	EC <sub>50</sub>	4900	<i>Bacteria</i>	Method not given	16 hour(s)
alkyl alcohol alkoxylate		No data available			
fatty acid, C8-10		No data available			
alkyl alcohol alkoxylate	EC <sub>10</sub>	> 10000	<i>Activated sludge</i>	DIN 38412, Part 27	17 hour(s)

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
phosphoric acid		No data available				
toluenesulphonic acid		No data available				
Alkylpolyethoxypolypropoxybenzylether		No data available				
alkyl alcohol alkoxylate		No data available				
fatty acid, C8-10		No data available				
alkyl alcohol alkoxylate		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
phosphoric acid		No data				

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		available				
toluenesulphonic acid		No data available				
Alkylpolyethoxypolypropoxybenzylether		No data available				
alkyl alcohol alkoxylate		No data available				
fatty acid, C8-10		No data available				
alkyl alcohol alkoxylate		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
phosphoric acid		No data available			-	
toluenesulphonic acid		No data available				
Alkylpolyethoxypolypropoxybenzylether		No data available			-	
alkyl alcohol alkoxylate		No data available				
fatty acid, C8-10		No data available			-	
alkyl alcohol alkoxylate		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
phosphoric acid		No data available			-	
Alkylpolyethoxypolypropoxybenzylether		No data available			-	
fatty acid, C8-10		No data available			-	
alkyl alcohol alkoxylate		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
phosphoric acid		No data available			-	
Alkylpolyethoxypolypropoxybenzylether		No data available			-	
fatty acid, C8-10		No data available			-	
alkyl alcohol alkoxylate		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
phosphoric acid		No data available			-	
Alkylpolyethoxypolypropoxybenzylether		No data available			-	
fatty acid, C8-10		No data available			-	
alkyl alcohol alkoxylate		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
phosphoric acid		No data available			-	
Alkylpolyethoxypolypropoxybenzylether		No data available			-	
fatty acid, C8-10		No data available			-	
alkyl alcohol alkoxylate		No data available			-	

## Deosan Coldbrite

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
phosphoric acid		No data available			-	
Alkylpolyethoxypolypropoxybenzylether		No data available			-	
fatty acid, C8-10		No data available			-	
alkyl alcohol alkoxylate		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
phosphoric acid					Not applicable (inorganic substance)
toluenesulphonic acid					No data available
Alkylpolyethoxypolypropoxybenzylether			> 60 % in 28 day(s)	OECD 301F	Readily biodegradable
alkyl alcohol alkoxylate					No data available
fatty acid, C8-10		Oxygen depletion	> 72 % in 30 day(s)	OECD 301D Read across	Readily biodegradable
alkyl alcohol alkoxylate			> 60 % in 28 day(s)	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 Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
phosphoric acid	No data available		No bioaccumulation expected	
toluenesulphonic acid	No data available			
Alkylpolyethoxypolypropoxybenzylether	3.46	Method not given		
alkyl alcohol alkoxylate	No data available			
fatty acid, C8-10	3.1	OECD 107	No bioaccumulation expected	at pH 4.72
alkyl alcohol alkoxylate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
phosphoric acid	No data available			No bioaccumulation expected	
toluenesulphonic acid	No data available				
Alkylpolyethoxypolypropoxybenzylether	90				
alkyl alcohol alkoxylate	No data available				
fatty acid, C8-10	No data available				
alkyl alcohol alkoxylate	No data available				

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
phosphoric acid	No data available				Potential for mobility in soil, soluble in water
toluenesulphonic acid	No data available				
Alkylpolyethoxypolypropoxybenzylether	No data available				
alkyl alcohol alkoxylate	No data available				
fatty acid, C8-10	69.63				
alkyl alcohol alkoxylate	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 29\* - detergents containing dangerous substances.

**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:** 1805

**14.2 UN proper shipping name:**

Phosphoric acid, solution

**14.3 Transport hazard class(es):**

**Class:** 8

**Label(s):** 8

**14.4 Packing group:** III**14.5 Environmental hazards:**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6 Special precautions for user:** None known.

**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.

**Other relevant information:****ADR**

**Classification code:** C1

**Tunnel restriction code:** E

**Hazard identification number:** 80

**IMO/IMDG**

**EmS:** F-A, S-B

The product has been classified, labelled and packaged in accordance with the requirements of ADR and the provisions of the IMDG Code. Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations:**

- Regulation (EC) No 1272/2008 - CLP
- Regulation (EC) No. 1907/2006 - REACH

**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%

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.

**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:** MSDSGB3355**Version:** 03.1**Revision:** 2017-03-20**Reason for revision:**

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