

**Toilet Duck Marine Toilet Cleaner**

Revision: 2015-06-04

Version: 05.0

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

**1.1 Product identifier**

**Trade name:** Toilet Duck Marine Toilet Cleaner (Brosch Direct Code: CD3010)  
*Toilet Duck* ® Used under authority from S.C. Johnson & Son Inc., Racine, Wisconsin, U.S.A.

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

**Identified uses:**

For professional use only.  
AISE-P305 - Sanitary cleaner. Manual process  
AISE-P306 - Sanitary cleaner. Spray and wipe manual process  
AISE-P307 - Descaling agent. Manual process  
AISE-P308 - Descaling agent. Spray and rinse 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, Maarssebroeksedijk 2, 3542DN Utrecht, The Netherlands

**Contact details**

Diversey Ltd  
Weston Favell Centre, Northampton NN3 8PD, United Kingdom  
Tel: 01604 405311, Fax: 01604 406809  
Regulatory Email: 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 does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

**The product does not meet the criteria for classification in accordance with Directive 1999/45/EC and corresponding national legislation**

**2.2 Label elements**

**Hazard statements:**

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	Classification (1999/45/EC)	Notes	Weight percent
I-(+)-lactic acid	201-196-2	79-33-4	01-2119474164-39	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	Xi;R38-41		1-3
alkyl alcohol alkoxyate [157627-86-6]	500-337-8	157627-86-6	02-2119548515-35	Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)	Xi;R41 R52/53		1-3
alpha-cedrene	207-418-4	469-61-4	No data available	Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	N;R50/53 Xn;R65		< 0.01

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\* 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

<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. If skin irritation occurs: Get medical advice or attention.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.
<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>	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 Sealed Air.

### 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.

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**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
I-(+)-lactic acid	-	35.4	-	-
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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)
I-(+)-lactic acid	No data available	-	No data available	-
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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)
I-(+)-lactic acid	No data available	-	No data available	-
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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
I-(+)-lactic acid	592	-	-	-
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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
I-(+)-lactic acid	296	-	-	-
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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)
I-(+)-lactic acid	1.3	-	-	10
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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> )
I-(+)-lactic acid	-	-	-	-
alkyl alcohol alkoxyolate [157627-86-6]	No data available	No data available	No data available	No data available
alpha-cedrene	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.

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**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:** Blue  
**Odour:** Slightly perfumed  
**Odour threshold:** Not applicable  
**pH:** ≈ 3 (neat)  
**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)
I-(+)-lactic acid	110-130	Method not given	1013
alkyl alcohol alkoxyate [157627-86-6]	No data available		
alpha-cedrene	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:

**Method / remark**

**Vapour pressure:** Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
I-(+)-lactic acid	8.13	Method not given	25
alkyl alcohol alkoxyate [157627-86-6]	No data available		
alpha-cedrene	No data available		

**Method / remark**

**Vapour density:** Not determined  
**Relative density:** 1.01 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)
I-(+)-lactic acid	Soluble		
alkyl alcohol alkoxyate [157627-86-6]	No data available		
alpha-cedrene	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:** ≈ 1250 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:

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**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.

**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:

**Eye irritation and corrosivity**

**Result:** Not corrosive or irritant    **Method:** Weight of evidence

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)
l-(+)-lactic acid	LD <sub>50</sub>	1810		Method not given	-
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
l-(+)-lactic acid	LD <sub>50</sub>	> 2000	Rabbit	EPA OPP 81-2	-
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
l-(+)-lactic acid	LC <sub>50</sub>	> 7.94	Rat	OECD 403 (EU B.2)	4
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

**Irritation and corrosivity**

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
l-(+)-lactic acid	Irritant		OECD 404 (EU B.4)	
alkyl alcohol alkoxylate [157627-86-6]	No data available			
alpha-cedrene	No data available			

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
l-(+)-lactic acid	Severe damage		Method not given	
alkyl alcohol alkoxylate [157627-86-6]	No data available			
alpha-cedrene	No data available			

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## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
l-(+)-lactic acid	No data available			
alkyl alcohol alkoxylate [157627-86-6]	No data available			
alpha-cedrene	No data available			

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
l-(+)-lactic acid	No data available			-
alkyl alcohol alkoxylate [157627-86-6]	No data available			
alpha-cedrene	No data available			

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
l-(+)-lactic acid	No data available			-
alkyl alcohol alkoxylate [157627-86-6]	No data available			
alpha-cedrene	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)
l-(+)-lactic acid	No data available		No data available	
alkyl alcohol alkoxylate [157627-86-6]	No data available		No data available	
alpha-cedrene	No data available		No data available	

## Carcinogenicity

Ingredient(s)	Effect
l-(+)-lactic acid	No data available
alkyl alcohol alkoxylate [157627-86-6]	No data available
alpha-cedrene	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
l-(+)-lactic acid			No data available				
alkyl alcohol alkoxylate [157627-86-6]			No data available				
alpha-cedrene			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
l-(+)-lactic acid		No data available			-	
alkyl alcohol alkoxylate [157627-86-6]		No data available				
alpha-cedrene		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
l-(+)-lactic acid		No data available			-	
alkyl alcohol alkoxylate [157627-86-6]		No data available				
alpha-cedrene		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
l-(+)-lactic acid		No data available			-	
alkyl alcohol alkoxylate [157627-86-6]		No data available				
alpha-cedrene		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
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l-(+)-lactic acid			No data available				
alkyl alcohol alkoxylate [157627-86-6]			No data available				
alpha-cedrene			No data available				

## STOT-single exposure

Ingredient(s)	Affected organ(s)
l-(+)-lactic acid	No data available
alkyl alcohol alkoxylate [157627-86-6]	No data available
alpha-cedrene	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
l-(+)-lactic acid	No data available
alkyl alcohol alkoxylate [157627-86-6]	No data available
alpha-cedrene	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)
l-(+)-lactic acid	LC <sub>50</sub>	130	<i>Oncorhynchus mykiss</i>	Method not given	96
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
l-(+)-lactic acid	EC <sub>50</sub>	130	<i>Daphnia magna</i> Straus	Method not given	48
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
l-(+)-lactic acid	EC <sub>50</sub>	2800	<i>Pseudokirchneriella subcapitata</i>	Method not given	72
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
l-(+)-lactic acid		No data available			-
alkyl alcohol alkoxylate [157627-86-6]		No data available			
alpha-cedrene		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
l-(+)-lactic acid	EC <sub>50</sub>	> 100	Activated	Method not given	3 hour(s)

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			<i>sludge</i>		
alkyl alcohol alkoxyate [157627-86-6]		No data available			
alpha-cedrene		No data available			

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
l-(+)-lactic acid		No data available				
alkyl alcohol alkoxyate [157627-86-6]		No data available				
alpha-cedrene		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
l-(+)-lactic acid		No data available				
alkyl alcohol alkoxyate [157627-86-6]		No data available				
alpha-cedrene		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
l-(+)-lactic acid		No data available			-	
alkyl alcohol alkoxyate [157627-86-6]		No data available				
alpha-cedrene		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
l-(+)-lactic acid		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
l-(+)-lactic acid		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
l-(+)-lactic acid		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
l-(+)-lactic acid		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
l-(+)-lactic acid		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**



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Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
l-(+)-lactic acid				Method not given	Readily biodegradable
alkyl alcohol alkoxyate [157627-86-6]					No data available
alpha-cedrene					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 Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
l-(+)-lactic acid	-0.72	Method not given	Not relevant, does not bioaccumulate	
alkyl alcohol alkoxyate [157627-86-6]	No data available			
alpha-cedrene	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
l-(+)-lactic acid	No data available				
alkyl alcohol alkoxyate [157627-86-6]	No data available				
alpha-cedrene	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
l-(+)-lactic acid	No data available				Low potential for adsorption to soil
alkyl alcohol alkoxyate [157627-86-6]	No data available				
alpha-cedrene	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****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**

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

**Ingredients according to EC Detergents Regulation 648/2004**

anionic surfactants, non-ionic surfactants < 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*

**SDS code:** MSDS4503

**Version:** 05.0

**Revision:** 2015-06-04

**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): 1, 3, 9, 11

**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.
- H318 - Causes serious eye damage.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.
- R38 - Irritating to skin.
- R41 - Risk of serious damage to eyes.
- R65 - Harmful: may cause lung damage if swallowed.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**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**