

Domestos Professional Urinal Blocks

Revision: 2017-03-20

Version: 08.1

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

1.1 Product identifier

Trade name: Domestos Professional Urinal Blocks
Domestos is a registered trade mark and is used under licence of Unilever

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

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

1.3 Details of the supplier of the safety data sheet

Contact details

Unilever UK Ltd., Freepost ADM1000, London SW1A 2XX
Tel: 0800 776647

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)

2.2 Label elements



Signal word: Danger.

Contains sodium alkylbenzenesulphonate (Sodium Dodecylbenzenesulfonate). EUH208: cineole (Eucalyptol), citral (Citral), pin-2(3)-ene (Alpha-Pinenes), d-limonene (Limonene)

Hazard statements:

H315 - Causes skin irritation.
H318 - Causes serious eye damage.
EUH208 - May produce an allergic reaction.
H412 - Harmful to aquatic life with long lasting effects.

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.

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2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Ingredient(s)	EC number	CAS number	REACH number	Classification	Notes	Weight percent
sodium alkylbenzenesulphonate	270-115-0	68411-30-3	No data available	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412)		20-30
sodium carbonate	207-838-8	497-19-8	01-2119485498-19	Eye Irrit. 2 (H319)		3-10
d-limonene	227-813-5	5989-27-5	01-2119529223-47	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		0.1-1

* Polymer.

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.

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:

Get medical attention or advice if you feel unwell.

Skin contact:

Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated clothing and wash it before re-use. If skin irritation occurs: Get medical advice or attention.

Eye contact:

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

Ingestion:

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider:

Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:

No known effects or symptoms in normal use.

Skin contact:

Causes irritation.

Eye contact:

Causes severe or permanent damage.

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

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. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

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6.3 Methods and material for containment and cleaning up

Collect mechanically.

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.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium alkylbenzenesulphonate	-	-	-	0.85
sodium carbonate	-	-	-	-
d-limonene	-	-	-	4.76

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
sodium alkylbenzenesulphonate	-	-	-	170
sodium carbonate	No data available	-	No data available	-
d-limonene	0.222 mg/cm ² skin	-	No data available	-

Ingredient(s)	Short term - Local effects	Short term - Systemic effects (mg/kg bw)	Long term - Local effects	Long term - Systemic effects (mg/kg bw)
sodium alkylbenzenesulphonate	-	-	-	85
sodium carbonate	No data available	-	No data available	-
d-limonene	0.111 mg/cm ² skin	-	No data available	-

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium alkylbenzenesulphonate	-	-	-	12
sodium carbonate	-	-	10	-
d-limonene	-	-	-	33.3

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
sodium alkylbenzenesulphonate	-	-	-	3
sodium carbonate	10	-	-	-
d-limonene	-	-	-	8.33

Ingredient(s)	Surface water, fresh (mg/l)	Surface water, marine (mg/l)	Intermittent (mg/l)	Sewage treatment plant (mg/l)
sodium alkylbenzenesulphonate	0.268	0.0268	0.0167	3.43
sodium carbonate	-	-	-	-
d-limonene	0.0054	0.00054	-	1.8

Ingredient(s)	Sediment, freshwater	Sediment, marine	Soil (mg/kg)	Air (mg/m ³)

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	(mg/kg)	(mg/kg)		
sodium alkylbenzenesulphonate	8.1	-	-	-
sodium carbonate	-	-	-	-
d-limonene	1.32	0.13	0.262	-

8.2 Exposure controls

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

Recommended safety measures for handling the undiluted product:

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

Personal protective equipment

Eye / face protection:

Safety glasses 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: \geq 480 min
 Material thickness: \geq 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: \geq 30 min
 Material thickness: \geq 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:

No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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

	Method / remark
Physical State: Solid	
Appearance: Tablets	
Colour: Green	
Odour: Perfumed	
Odour threshold: Not applicable	
pH:	
Dilution pH: \approx 8 (1%)	ISO 4316
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	Not applicable to solids or gases

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
sodium alkylbenzenesulphonate	No data available		
sodium carbonate	1600	Method not given	1013
d-limonene	175-178	Method not given	1013

Flash point (°C): Not applicable.

Sustained combustion: Not applicable.

Evaporation rate: Not determined

Not relevant to classification of this product

Flammability (solid, gas): Not determined

Upper/lower flammability limit (%): Not determined

See substance data

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
d-limonene	0.7	6.1

Vapour pressure: Not determined

See substance data

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
sodium alkylbenzenesulphonate	No data available		
sodium carbonate	Negligible		
d-limonene	190-230	Method not given	20

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Vapour density: Not determined
Relative density: Not determined
Solubility in / Miscibility with Water: Soluble

Not relevant to classification of this product

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
sodium alkylbenzenesulphonate	> 250		
sodium carbonate	210-215	Method not given	20
d-limonene	Insoluble	Method not given	20

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

Not applicable to solids or gases

9.2 Other information

Surface tension (N/m): Not determined
Corrosion to metals: Not applicable to solids or gases

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

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

Mixture data:

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

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

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	LD ₅₀	1080	Rat	Method not given	
sodium carbonate	LD ₅₀	2800	Rat	Method not given	
d-limonene	LD ₅₀	4400 - 5100	Rat	Method not given	

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	LD ₅₀	> 2000	Rat	Method not given	
sodium carbonate	LD ₅₀	> 2000	Rabbit	Method not given	
d-limonene	LD ₅₀	> 5000	Rabbit	Method not given	

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate		No data available			

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sodium carbonate	LC ₅₀	2.3 (dust)	Rat	OECD 403 (EU B.2)	2
d-limonene		No data available			

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	Irritant	Rabbit	OECD 404 (EU B.4)	
sodium carbonate	Not irritant	Rabbit	Method not given	
d-limonene	Irritant	Rabbit	Method not given	

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	Corrosive	Rabbit	OECD 405 (EU B.5)	
sodium carbonate	Irritant	Rabbit	Method not given	
d-limonene	No data available			

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	Not irritating to respiratory tract			
sodium carbonate	No data available			
d-limonene	No data available			

Ingredient(s)	Result	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
sodium carbonate	Not sensitising		Method not given	
d-limonene	Sensitising	Guinea pig	Method not given	

Ingredient(s)	Result	Species	Method	Exposure time
sodium alkylbenzenesulphonate	No data available			
sodium carbonate	No data available			
d-limonene	No data available			

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
sodium alkylbenzenesulphonate	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 476 OECD 473	No data available	
sodium carbonate	No data available		No data available	
d-limonene	No data available		No data available	

Ingredient(s)	Effect
sodium alkylbenzenesulphonate	No data available
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence
d-limonene	No data available

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
sodium alkylbenzenesulphonate	NOAEL	Teratogenic effects	300	Rat	Non guideline test		No known significant effects or critical hazards
sodium carbonate			No data available				
d-limonene			No data available				

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium alkylbenzenesulphonate		No data available				
sodium carbonate		No data available				
d-limonene		No data available				

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
sodium alkylbenzenesulphonate		No data available				
sodium carbonate		No data available				
d-limonene		No data available				

Ingredient(s)	Endpoint	Value	Species	Method	Exposure	Specific effects and organs
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	(mg/kg bw/d)	time (days)	affected
sodium alkylbenzenesulphonate	No data available		
sodium carbonate	No data available		
d-limonene	No data available		

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
sodium alkylbenzenesulphonate			No data available					
sodium carbonate			No data available					
d-limonene			No data available					

Ingredient(s)	Affected organ(s)
sodium alkylbenzenesulphonate	No data available
sodium carbonate	No data available
d-limonene	No data available

Ingredient(s)	Affected organ(s)
sodium alkylbenzenesulphonate	No data available
sodium carbonate	No data available
d-limonene	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:

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	LC ₅₀	1.67	<i>Fish</i>	EPA-OPPTS 850.1075	96
sodium carbonate	LC ₅₀	300	<i>Lepomis macrochirus</i>	Method not given	96
d-limonene	LC ₅₀	0.72	<i>Pimephales promelas</i>	OECD 203 (EU C.1)	96

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	LC ₅₀	2.4	<i>Daphnia</i>	84/449/EEC, C2	48
sodium carbonate	EC ₅₀	265	<i>Daphnia magna Straus</i>	Method not given	96
d-limonene	EC ₅₀	0.36	<i>Daphnia magna Straus</i>	OECD 202 (EU C.2)	48

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
sodium alkylbenzenesulphonate	E _b C ₅₀	47.3	<i>Not specified</i>	Non guideline test	72
sodium carbonate		No data available			-
d-limonene	E _r C ₅₀	150	<i>Desmodesmus subspicatus</i>	OECD 201 (EU C.3)	72

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
sodium alkylbenzenesulphonate		No data available			
sodium carbonate		No data available			-
d-limonene		No data available			-

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Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
sodium alkylbenzenesulphonate	EC ₅₀	550	<i>Bacteria</i>	OECD 209	3 hour(s)
sodium carbonate		No data available			
d-limonene		No data available			

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium alkylbenzenesulphonate	NOEC	0.268	<i>Not specified</i>	Method not given	96 day(s)	
sodium carbonate		No data available				
d-limonene		No data available				

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
sodium alkylbenzenesulphonate	NOEC	1.41	<i>Daphnia magna</i>	OECD 211		
sodium carbonate		No data available				
d-limonene		No data available				

Ingredient(s)	Endpoint	Value (mg/kg dw sediment)	Species	Method	Exposure time (days)	Effects observed
sodium alkylbenzenesulphonate		No data available				
sodium carbonate		No data available			-	
d-limonene		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
d-limonene		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
d-limonene		No data available			-	

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
d-limonene		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
d-limonene		No data available			-	

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
d-limonene		No data available			-	

12.2 Persistence and degradability

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
sodium carbonate	No data available		Rapidly hydrolysible	

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Ingredient(s)	Inoculum	Analytical method	DT ₅₀	Method	Evaluation
sodium alkylbenzenesulphonate	Activated sludge, aerobe	CO ₂ production		OECD 301B	Readily biodegradable
sodium carbonate					Not applicable (inorganic substance)
d-limonene			80 % in 28 day(s)	OECD 301D	Readily biodegradable

12.3 Bioaccumulative potential

Ingredient(s)	Value	Method	Evaluation	Remark
sodium alkylbenzenesulphonate	3.32	Method not given	High potential for bioaccumulation	
sodium carbonate	No data available		No bioaccumulation expected	
d-limonene	No data available		High potential for bioaccumulation	

Ingredient(s)	Value	Species	Method	Evaluation	Remark
sodium alkylbenzenesulphonate	2-1000		Method not given	High potential for bioaccumulation	
sodium carbonate	No data available			No bioaccumulation expected	
d-limonene	683.1		Method not given	High potential for bioaccumulation	

12.4 Mobility in soil

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc(des)}	Method	Soil/sediment type	Evaluation
sodium alkylbenzenesulphonate	No data available				
sodium carbonate	No data available				Potential for mobility in soil, soluble in water
d-limonene	No data available				High potential for mobility in soil

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:

20 01 29* - detergents containing dangerous substances.

Empty packaging

Recommendation:

Dispose of observing national or local regulations.

SECTION 14: Transport information

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

14.1 UN number: Non-dangerous goods

14.2 UN proper shipping name: Non-dangerous goods

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

Class: -

14.4 Packing group: Non-dangerous goods

14.5 Environmental hazards: Non-dangerous goods

14.6 Special precautions for user: Non-dangerous goods

14.7 Transport in bulk according to Annex II of MARPOL 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

EU regulations:

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

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

Domestos Professional Urinal Blocks**Ingredients according to EC Detergents Regulation 648/2004**

anionic surfactants

15 - 30 %

perfumes, Citral, Limonene, Citronellol

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**SDS code:** MSDS3772**Version:** 08.1**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:

- H226 - Flammable liquid and vapour.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

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

End of Safety Data Sheet