Safety Data Sheet

According to Regulation (EC) No 1907/2006

Endbac Probe and Utensil Sanitising Wipes

Revision: 2013-10-08 **Version:** *04*

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

1.1 Product identifier
Trade name: Endbac Probe and Utensil Sanitising Wipes

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses:
For professional use only
AISE-P301 - General purpose cleaner. Manual process
AISE-P314 - Surface disinfectant. Manual process
AISE-P317 - Wet wipe. 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 local operating company

Contact details
Diversey local operating company

1.4 Emergency telephone number
Diversey local operating company

This International SDS is for information only. It does not meet all applicable regulatory requirements and does not replace the relevant statutory data sheet for your country.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
The product has been classified and labelled in accordance with Directive 1999/45/EC and corresponding national legislation.

Risk phrases:
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Risk phrases:
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:
S61b - Avoid release to the environment. Refer to safety data sheet.

Further indications on the label:
Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.
Contains poly (hexamethylenebiguanide) hydrochloride. May produce an allergic reaction.

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
Mixture of non-dangerous ingredients and substances listed below.

Ingredient(s)	EC number	CAS number	REACH number	Classification	Classification (EC) 1272/2008	Notes	Weight percent
ethanol	200-578-6	64-17-5	No data available	F;R11	Flam. Liq. 2 (H225)		3-10
alkyldimethylbenzylammoniumchloride	270-325-2	68424-85-1	No data available	Xn;R21/22 C;R34 N;R50	Skin Corr. 1B (H314) Aquatic Acute 1 (H400) Acute Tox. 4 (H302) Acute Tox. 4 (H312)		0.1-1

methanol	200-659-6	67-56-1	No data available	F;R11 T;R23/24/25-39/23/24/25	Flam. Liq. 2 (H225) Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370)		0.1-1
poly (hexamethylenebiguanide) hydrochloride	Polymer*	27083-27-8	[4]	Xn;R22 Xi;R37/38-41-43 N;R50/53	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute Tox. 4 (H302) Skin Sens. 1 (H317) STOT SE 3 (H335) Skin Irrit. 2 (H315)		0.1-1

* Polymer.
For the full text of the R phrases mentioned in this Section, see Section 16.
Occupational Exposure Limit(s), if available, are listed in Section 8.
For the full text of the R, H and EUH phrases mentioned in this Section, see Section 16.
Workplace exposure limit(s), if available, are listed in subsection 8.1.
[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.
[2] Exempted: included in Annex IV of Regulation (EC) No 1907/2006.
[3] Exempted: Annex V of Regulation (EC) No 1907/2006.
[4] Exempted: polymer. See Article 2(9) of Regulation (EC) No 1907/2006.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation Remove from source of exposure. If discomfort persists, obtain medical attention.

Skin contact: Not required under normal use. If irritation develops get medical attention. Rinse with plenty of water.

Eye contact; Wash off immediately with plenty of water. Get medical attention.

Ingestion: Remove material from mouth. Immediately drink 1-2 glasses of water or milk. If large amounts swallowed or symptoms develop, get medical attention.

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: Unlikely to be irritant or harmful in normal use.

Skin contact: Unlikely to be irritant in normal use.

Eye contact: Can cause irritation.

Ingestion: Unlikely to be harmful unless excessive amount ingested.

Sensitisation: May produce an allergic reaction.

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. 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.

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

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. For advice on general occupational hygiene see subsection 8.2. For environmental exposure controls see subsection 8.2. For incompatible materials see subsection 10.5.

Prevention of fire and explosion:
No special precautions required.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms / facilities:
In accordance with local and national regulations.

Combined storage in storage rooms / facilities:
In accordance with local and national regulations. For incompatible materials see subsection 10.5.

Basic storage conditions
Store in original container. Keep container tightly closed. For conditions to avoid see subsection 10.4.

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)	EU - Long term value(s)	EU - Short term value(s)	UK - Long term value(s)	UK - Short term value(s)
ethanol			1000 ppm 1920 mg/m³	3000 ppm 5760 mg/m³
methanol	200 ppm 260 mg/m³		200 ppm 266 mg/m³	250 ppm 333 mg/m³

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
ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	No data available	8	No data available	8
poly (hexamethylenebiguanide) hydrochloride	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)
ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	No data available	40	No data available	40
poly (hexamethylenebiguanide) hydrochloride	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)
ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	No data available	8	No data available	8
poly (hexamethylenebiguanide) hydrochloride	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Worker (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	260	260	260	260
poly (hexamethylenebiguanide) hydrochloride	No data available	No data available	No data available	No data available

DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects

ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	50	50	50	50
poly (hexamethylenebiguanide) hydrochloride	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)
ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	154	15.4	1540	100
poly (hexamethylenebiguanide) hydrochloride	No data available	No data available	No data available	No data available

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
ethanol	No data available	No data available	No data available	No data available
alkyldimethylbenzylammoniumchloride	No data available	No data available	No data available	No data available
methanol	570.4	No data available	23.5	No data available
poly (hexamethylenebiguanide) hydrochloride	No data available	No data available	No data available	No data available

8.2 Exposure controls

General health and safety measures

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday.

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: 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: No special requirements under normal use conditions.
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: 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: Liquid on inert carrier material
Colour: Not determined
Odour: Product specific
Odour threshold: Not applicable
pH:
Melting point/freezing point (°C): Not determined
Initial boiling point and boiling range (°C): Not determined

Substance data, boiling point

Ingredient(s)	Value (°C)	Method	Atmospheric pressure (hPa)
ethanol	78.4	Method not given	
alkyldimethylbenzylammoniumchloride	> 107	Method not given	
methanol	No data available		
poly (hexamethylenebiguanide) hydrochloride	102	Method not given	

Method / remark

Flash point (°C): ≈ 61 closed cup
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)
ethanol	5800	Method not given	
alkyldimethylbenzylammoniumchloride	2300	Method not given	20
methanol	No data available		
poly (hexamethylenebiguanide) hydrochloride	No data available		

Method / remark

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

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
ethanol	No data available		
alkyldimethylbenzylammoniumchloride	Soluble	Method not given	
methanol	No data available		
poly (hexamethylenebiguanide) hydrochloride	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: Not determined
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

9.2 Other information
Surface tension (N/m): Not determined
Corrosion to metals
(according to IMDG/ADR regulation): Not determined

Substance data, dissociation constant, if available:

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability
Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid
None known under normal storage and use conditions.

10.5 Incompatible materials
None known under normal use conditions.

10.6 Hazardous decomposition products
None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Mixtures
No test data is available on the mixture

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

Acute toxicity
Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
ethanol	LD_{50}	5000	Rat	OECD 401 (EU B.1)	

alkyldimethylbenzylammoniumchloride	LD_{50}	398	Rat	Method not given	
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride	LD_{50}	> 2000	Rat	Method not given	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
ethanol	LD_{50}	> 10000	Rabbit	OECD 402 (EU B.3)	
alkyldimethylbenzylammoniumchloride	LD_{50}	800 - 1420	Rat	Method not given	
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanol	LC_{50}	> 1800	Rat	Non guideline test	4
alkyldimethylbenzylammoniumchloride		No data available			
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	No data available			
alkyldimethylbenzylammoniumchloride	Corrosive		Method not given	
methanol	No data available			
poly (hexamethylenebiguanide) hydrochloride	Irritant		Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	No data available			
alkyldimethylbenzylammoniumchloride	Severe damage		Method not given	
methanol	No data available			
poly (hexamethylenebiguanide) hydrochloride	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	No data available			
alkyldimethylbenzylammoniumchloride	No data available			
methanol	No data available			
poly (hexamethylenebiguanide) hydrochloride	Irritating to respiratory tract		Method not given	

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
ethanol	No data available			
alkyldimethylbenzylammoniumchloride	Not sensitising		Method not given	
methanol	No data available			
poly (hexamethylenebiguanide) hydrochloride	Sensitising		Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
ethanol	No data available			
alkyldimethylbenzylammoniumchloride	No data available			
methanol	No data available			
poly (hexamethylenebiguanide) hydrochloride	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
ethanol		No data available				
alkyldimethylbenzylammoniumchloride		No data available				

methanol		No data available				
poly (hexamethylenebiguanide) hydrochloride		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
ethanol		No data available				
alkyldimethylbenzylammoniumchloride		No data available				
methanol		No data available				
poly (hexamethylenebiguanide) hydrochloride		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
ethanol		No data available				
alkyldimethylbenzylammoniumchloride		No data available				
methanol		No data available				
poly (hexamethylenebiguanide) hydrochloride		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
ethanol			No data available					
alkyldimethylbenzylammoniumchloride			No data available					
methanol			No data available					
poly (hexamethylenebiguanide) hydrochloride			No data available					

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Mixture data:
Based on available data, the classification criteria are not met.

Substance data, where relevant and available:

Carcinogenicity

Ingredient(s)	Effect
ethanol	No data available
alkyldimethylbenzylammoniumchloride	No data available
methanol	No data available
poly (hexamethylenebiguanide) hydrochloride	No evidence for carcinogenicity, negative test results

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
ethanol	No data available		No data available	
alkyldimethylbenzylammoniumchloride	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No data available	
methanol	No data available		No data available	
poly (hexamethylenebiguanide) hydrochloride	No data available		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
ethanol			No data available				
alkyldimethylbenzylammoniumchloride			No data available				
methanol			No data available				
poly (hexamethylenebiguanide) hydrochloride			No data available				

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
Mixtures
No test 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)
ethanol	LC_{50}	8150	Alburnus alburnus	Method not given	96
alkyldimethylbenzylammoniumchloride	LC_{50}	0.85	Fish	Method not given	96
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride	LC_{50}	0.026	Oncorhynchus mykiss	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanol	EC_{50}	9268 - 14221	Daphnia magna Straus	Method not given	48
alkyldimethylbenzylammoniumchloride	EC_{50}	0.02	Daphnia	Method not given	48
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride	EC_{50}	0.09	Daphnia magna Straus	OECD 202	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanol	EC_{0}	5000	Scenedesmus quadricauda	Method not given	168
alkyldimethylbenzylammoniumchloride	EC_{50}	0.06	Pseudokirchneriella subcapitata	OECD 201	96
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride	$E_r C_{50}$	0.0191	Pseudokirchneriella subcapitata	OECD 201	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
ethanol		No data available			
alkyldimethylbenzylammoniumchloride		No data available			
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
ethanol	EC_{0}	6500	Pseudomonas putida	Method not given	16 hour(s)
alkyldimethylbenzylammoniumchloride	EC_{20}	10	Activated sludge	OECD 209	0.5 hour(s)
methanol		No data available			
poly (hexamethylenebiguanide) hydrochloride	EC_{50}	38	Bacteria	Method not given	4 hour(s)

Aquatic long-term toxicity
Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
ethanol		No data available				
alkyldimethylbenzylammoniumchloride		No data available				
methanol		No data available				

poly (hexamethylenebiguanide) hydrochloride		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
ethanol		No data available				
alkyldimethylbenzylammoniumchloride		No data available				
methanol		No data available				
poly (hexamethylenebiguanide) hydrochloride		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
ethanol		No data available				
alkyldimethylbenzylammoniumchloride		No data available				
methanol		No data available				
poly (hexamethylenebiguanide) hydrochloride		No data available				

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT_{50}	Method	Evaluation
ethanol					No data available
alkyldimethylbenzylammoniumchloride		Oxygen depletion	> 60%	OECD 301D	Readily biodegradable
methanol					No data available
poly (hexamethylenebiguanide) hydrochloride				Method not given	Not readily biodegradable.

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
ethanol	No data available			
alkyldimethylbenzylammoniumchloride	0.5 - 1.58	Method not given	No bioaccumulation expected	
methanol	No data available			
poly (hexamethylenebiguanide) hydrochloride	No data available	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
ethanol	No data available				

alkyldimethylbenzylammoniumchloride	0.5		Method not given	No bioaccumulation expected	
methanol	No data available				
poly (hexamethylenebiguanide) hydrochloride	No data available		Method not given	No bioaccumulation expected	

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
ethanol	No data available				
alkyldimethylbenzylammoniumchloride	No data available				
methanol	No data available				
poly (hexamethylenebiguanide) hydrochloride	No data available				Potential for adsorption to 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: 16 03 05* - organic wastes containing dangerous substances.

Empty packaging
Recommendation: Dispose of observing national or local regulations.

SECTION 14: Transport information

ADR, RID, ADN, IMO/IMDG, ICAO/IATA
14.1 UN number: Non-dangerous goods
14.2 UN proper shipping name: Non-dangerous goods
14.3 Transport hazard class(es): Non-dangerous goods
Class: -
14.4 Packing group: Non-dangerous goods
14.5 Environmental hazards: Non-dangerous goods
14.6 Special precautions for user: Non-dangerous goods
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.

SECTION 15: Regulatory information

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

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

Ingredients according to EC Detergents Regulation 648/2004
anionic surfactants < 5%
disinfectants, Dichlorobenzyl Alcohol

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

MSDS code: MSDSGB6765 **Version:** 04 **Revision:** 2013-10-08

Reason for revision:
Name change

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

• R11 - Highly flammable.
• R34 - Causes burns.
• R50 - Very toxic to aquatic organisms.
• R22 - Harmful if swallowed.
• R39/23/24/25 - Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
• R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
• R21/22 - Harmful in contact with skin and if swallowed.
• R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
• R37/38 - Irritating to respiratory system and skin.
• R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
• H225 - Highly flammable liquid and vapour.
• H301 - Toxic if swallowed.
• H302 - Harmful if swallowed.
• H311 - Toxic in contact with skin.
• H312 - Harmful in contact with skin.
• H314 - Causes severe skin burns and eye damage.
• H315 - Causes skin irritation.
• H317 - May cause an allergic skin reaction.
• H318 - Causes serious eye damage.
• H331 - Toxic if inhaled.
• H335 - May cause respiratory irritation.
• H370 - Causes damage to organs (a,b,c) if inhaled.
• H400 - Very toxic to aquatic life.
• H410 - Very toxic 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

End of Safety Data Sheet