Safety Data Sheet

According to Regulation (EC) No 1907/2006

Suma Star Pur-Eco D1

Revision: 2014-02-06 *Version: 07*

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

1.1 Product identifier
Trade name: Suma Star Pur-Eco D1

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses:
For professional use only.
AISE-P201 - Dishwash product. 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 Ltd

Contact details
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 Directive 1999/45/EC and corresponding national legislation.

2.2 Label elements

Further indications on the label:
Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.
Safety data sheet available for professional user 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 (EC) 1272/2008	Notes	Weight percent
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	617-428-4	83016-76-6	No data available	Xi;R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)		10-20
propane-1,2-diol	200-338-0	57-55-6	01-2119456809-23	-	-		1-3

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation	Remove from source of exposure. If discomfort persists, obtain medical attention.
Skin contact:	Not required under normal use. Rinse with plenty of water. If irritation develops get medical attention.
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:	Unlikely to be irritant in normal use.
Ingestion:	Unlikely to be harmful unless excessive amount ingested.
Sensitisation:	No known effects.

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
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. 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)	UK - Long term value(s)	UK - Short term value(s)
propane-1,2-diol	150 ppm total particulate and vapour 474 mg/m³ total particulate and vapour 10 mg/m³ particulate	450 ppm total particulate and vapour 1422 mg/m³ total particulate and vapour 30 mg/m³ particulate

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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	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)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	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)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	No data available	No data available	10	168

DNEL inhalatory exposure - Consumer (mg/m³)

Ingredient(s)	Short term - Local effects	Short term - Systemic effects	Long term - Local effects	Long term - Systemic effects
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	No data available	No data available	10	50

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)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	260	26	183	20000

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available	No data available	No data available	No data available
propane-1,2-diol	572	57.2	50	No data available

8.2 Exposure controls
General health and safety measures

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

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: No special requirements under normal use conditions.

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: No special requirements under normal use conditions.

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

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 0.1

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: 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: Liquid
Colour: Clear, Pale, Yellow
Odour: Product specific
Odour threshold: Not applicable
pH: ≈ 5 (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)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available		
propane-1,2-diol	185-190	Method not given	1013

Method / remark

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

Substance data, flammability or explosive limits, if available:

Ingredient(s)	Lower limit (% vol)	Upper limit (% vol)
propane-1,2-diol	2.6	12.6

Method / remark

Vapour pressure: Not determined

Substance data, vapour pressure

Ingredient(s)	Value (Pa)	Method	Temperature (°C)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available		
propane-1,2-diol	18.6	Method not given	20

Method / remark

Vapour density: Not determined
Relative density: 1.03 g/cm³ (20°C)
Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available		
propane-1,2-diol	Soluble	Method not given	

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Method / remark

Autoignition temperature: Not determined
Decomposition temperature: Not determined
Viscosity: ≈ 250 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
(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)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol	LD_{50}	> 10000	Rat	Method not given	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol	LD_{50}	> 2000	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol		No data available			

Irritation and corrosivity
Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time

lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available			
propane-1,2-diol	Not irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available			
propane-1,2-diol	Not corrosive or irritant	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available			
propane-1,2-diol	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available			
propane-1,2-diol	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available			
propane-1,2-diol	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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available				
propane-1,2-diol		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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available				
propane-1,2-diol		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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available				
propane-1,2-diol		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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt			No data available					
propane-1,2-diol			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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available
propane-1,2-diol	No evidence for carcinogenicity, negative test results

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available		No data available	
propane-1,2-diol	No evidence for mutagenicity, negative test results	Method not given	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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt			No data available				
propane-1,2-diol			No data available				No evidence for reproductive toxicity

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)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol	LC_{50}	> 1000	Fish	Method not given	24

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol	EC_{50}	> 100	Daphnia	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol	EC_{50}	24200	Desmodesmus subspicatus	OECD 201	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available			
propane-1,2-diol	EC_{0}	> 20000	Pseudomonas putida	Method not given	18 hour(s)

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

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available				
propane-1,2-diol		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available				
propane-1,2-diol	NOEC	13020	Ceriodaphnia dubia	Method not given	7 day(s)	

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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt		No data available				
propane-1,2-diol		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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt					No data available
propane-1,2-diol			> 70 % in 28 day(s)	OECD 301A	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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available			
propane-1,2-diol	-1.07	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available				
propane-1,2-diol	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
lauryl alcohol, polymer with oxirane, sulphuric acid ester, 2-hydroxy-1-aminopropane salt	No data available				
propane-1,2-diol	No data available				Potential for mobility in soil, soluble in water

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 30 - detergents other than those mentioned in 20 01 29.

Empty packaging Recommendation:	Dispose of observing national or local regulations.
Suitable cleaning agents:	Water, if necessary with cleaning agent.

SECTION 14: Transport information

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

SECTION 15: Regulatory information

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

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

Ingredients according to EC Detergents Regulation 648/2004

anionic surfactants	15 - 30%
Potassium Sorbate	

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: MSDS6187 **Version:** 07 **Revision:** 2014-02-06

Reason for revision:
This data sheet contains changes from the previous version in section(s):, 15, 16

Full text of the R, H and EUH phrases mentioned in section 3:
- R36/38 - Irritating to eyes and skin.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.

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