Safety Data Sheet

According to Regulation (EC) No 1907/2006

Horizon Bright

Revision: 2014-02-06 *Version: 01*

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

1.1 Product identifier
Trade name: Horizon Bright

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses:
For industrial use only.
AISE-P110 - Laundry aid (non-gassing). Automatic 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 has been classified and labelled in accordance with Directive 1999/45/EC and corresponding national legislation.

Indication of danger
Xi - Irritant
O - Oxidising

Risk phrases:
R 8 - Contact with combustible material may cause fire.
R41 - Risk of serious damage to eyes.

2.2 Label elements

Xi - Irritant
O - Oxidising

Contains 6-(phthalimido)peroxyhexanoic acid

Risk phrases:
R 8 - Contact with combustible material may cause fire.
R41 - Risk of serious damage to eyes.

Safety phrases:
S14l - Keep away from impurities, decomposition catalysts, alkalis, reducing agents and flammable substances.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 3/7 - Keep container tightly closed in a cool place.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

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
6-(phthalimido)peroxyhexanoic acid	410-850-8	128275-31-0	No data available	O;R7 Xi;R41 N;R50	Org. Perox. D (H242) Eye Dam. 1 (H318) Aquatic Acute 1 (H400)		10-20
1-hydroxyethane-1,1-diphosphonic acid	220-552-8	2809-21-4	01-2119510391-53	Xn;R22 Xi;R41	Eye Dam. 1 (H318) Met. Corr. 1 (H290) Acute Tox. 4 (H302)		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. Get medical attention.
Skin contact: Rinse with plenty of water. Take off all contaminated clothing immediately. Get medical attention.
Eye contact: Wash off immediately with plenty of water. Get medical attention immediately.
Ingestion: Remove material from mouth. Immediately drink 1-2 glasses of water or milk. 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: Causes irritation.
Skin contact: Powerful oxidizing agent.
Eye contact: Causes severe irritation.
Ingestion: Causes irritation.
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

Wear suitable protective clothing, gloves and eye/face protection.

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. Store away from products containing chlorine-based bleaching agents or sulphites.

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:

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
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	No data available	6.5	No data available	6.5

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)
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	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)
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	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
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	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
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	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)
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	0.136	0.0136	No data available	20

Environmental exposure - PNEC, continued

Ingredient(s)	Sediment, freshwater (mg/kg)	Sediment, marine (mg/kg)	Soil (mg/kg)	Air (mg/m³)
6-(phthalimido)peroxyhexanoic acid	No data available	No data available	No data available	No data available
1-hydroxyethane-1,1-diphosphonic acid	59	5.9	96	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. Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday. Avoid contact with skin and 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: If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment
Eye / face protection: Safety glasses or goggles (EN 166).
Hand protection: Chemical-resistant protective gloves (EN 374).
Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier.
Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

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

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

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
Body protection: Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur.
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 (%): 1

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

Personal protective equipment .
Eye / face protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Information in this section refers to the product, unless it is specifically stated that substance data is listed

Method / remark

Physical State: Liquid
Colour: Milky, White
Odour: Product specific
Odour threshold: Not applicable
pH: ≈ 4 (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)
6-(phthalimido)peroxyhexanoic acid	No data available		
1-hydroxyethane-1,1-diphosphonic acid	105	Method not given	

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)
6-(phthalimido)peroxyhexanoic acid	No data available		
1-hydroxyethane-1,1-diphosphonic acid	< 0.00001	Method not given	25

Method / remark

Vapour density: Not determined
Relative density: 1.01 g/cm³ (20°C)
Solubility in / Miscibility with Water: Fully miscible

Substance data, solubility in water

Ingredient(s)	Value (g/l)	Method	Temperature (°C)
6-(phthalimido)peroxyhexanoic acid	No data available		
1-hydroxyethane-1,1-diphosphonic acid	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: ≈ 550 mPa.s (20°C)
Explosive properties: Not explosive.
Oxidising properties: Contact with combustible material may cause fire.

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

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
Keep away from heat and direct sunlight. Keep in a cool place.

10.5 Incompatible materials
Contact with combustible material may cause fire. Keep away from impurities, decomposition catalysts, alkalis, reducing agents and flammable substances. Keep away from products containing chlorine-based bleaching agents or sulphites. 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
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)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid	LD_{50}	1100	Rat	Method not given	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid	LD_{50}	> 5000	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
6-(phthalimido)peroxyhexanoic acid	No data available			
1-hydroxyethane-1,1-diphosphonic acid	Not irritant	Rabbit	Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
6-(phthalimido)peroxyhexanoic acid	No data available			
1-hydroxyethane-1,1-diphosphonic acid	Severe damage	Rabbit	Non guideline test	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
6-(phthalimido)peroxyhexanoic acid	No data available			
1-hydroxyethane-1,1-diphosphonic acid	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
6-(phthalimido)peroxyhexanoic acid	No data available			
1-hydroxyethane-1,1-diphosphonic acid	Not sensitising		Read across	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
6-(phthalimido)peroxyhexanoic acid	No data available			
1-hydroxyethane-1,1-diphosphonic acid	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
6-(phthalimido)peroxyhexanoic acid		No data available				
1-hydroxyethane-1,1-diphosphonic acid	NOAEL	1724	Rat	Method not given	90	

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
6-(phthalimido)peroxyhexanoic acid		No data available				
1-hydroxyethane-1,1-diphosphonic acid		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
6-(phthalimido)peroxyhexanoic acid		No data available				
1-hydroxyethane-1,1-diphosphonic acid		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
6-(phthalimido)peroxyhexanoic acid			No data available					
1-hydroxyethane-1,1-diphosphonic acid	Oral	NOAEL	1583	Rat	Non guideline test			

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
6-(phthalimido)peroxyhexanoic acid	No data available
1-hydroxyethane-1,1-diphosphonic acid	No evidence for carcinogenicity, negative test results

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
6-(phthalimido)peroxyhexanoic acid	No data available		No data available	
1-hydroxyethane-1,1-diphosphonic acid	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No evidence for mutagenicity, negative test results	OECD 474 (EU B.12)

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
6-(phthalimido)peroxyhexanoic acid			No data available				
1-hydroxyethane-1,1-diphosphonic acid			No data available				No evidence for developmental 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)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid	LC_{50}	195	Oncorhynchus mykiss	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid	EC_{50}	527	Daphnia magna Straus	OECD 202	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid	EC_{50}	3	Pseudokirchneriella subcapitata	Method not given	96

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
6-(phthalimido)peroxyhexanoic acid		No data available			
1-hydroxyethane-1,1-diphosphonic acid	EC_0	1000	Pseudomonas putida	DIN 38412, Part 27	30 minute(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
6-(phthalimido)peroxyhexanoic acid		No data available				
1-hydroxyethane-1,1-diphosphonic acid	NOEC	180	Oncorhynchus mykiss	OECD 204	14 day(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
6-(phthalimido)peroxyhexanoic acid		No data available				
1-hydroxyethane-1,1-diphosphonic acid	NOEC	6.75	Daphnia magna	Method not given	28 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
6-(phthalimido)peroxyhexanoic acid		No data available				
1-hydroxyethane-1,1-diphosphonic acid		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
6-(phthalimido)peroxyhexanoic acid					No data available
1-hydroxyethane-1,1-diphosphonic acid			22.88 % in 5 day(s)	OECD 301D	Not readily biodegradable.

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
6-(phthalimido)peroxyhexanoic acid	No data available			
1-hydroxyethane-1,1-diphosphonic acid	-3.49	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
6-(phthalimido)peroxyhexanoic acid	No data available				
1-hydroxyethane-1,1-diphosphonic acid	> 7		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
6-(phthalimido)peroxyhexanoic acid	No data available				
1-hydroxyethane-1,1-diphosphonic acid	2.8 - 4.7		Method not given		Low mobillity 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: 16 09 03* - peroxides, for example hydrogen peroxide.

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

oxygen-based bleaching agents	15 - 30%
phosphonates	< 5%

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: MSDSGB6719 **Version:** 01 **Revision:** 2014-02-06

Reason for revision:
Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II

Full text of the R, H and EUH phrases mentioned in section 3:
- R50 - Very toxic to aquatic organisms.
- R 7 - May cause fire.
- R41 - Risk of serious damage to eyes.
- R22 - Harmful if swallowed.
- H242 - Heating may cause a fire.
- H302 - Harmful if swallowed.
- H318 - Causes serious eye damage.
- H400 - Very toxic to aquatic life.

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