

Horizon Light

Revision: 2012-04-11

Version 01

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

1.1 Product identifier

Trade name: Horizon Light

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

Identified uses:

For industrial use only.

AISE-P101 - Laundry detergent. 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@diversey.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

Risk phrases:

R36 - Irritating to eyes.

2.2 Label elements



Xi - Irritant

Risk phrases:

R36 - Irritating to eyes.

Safety phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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 |
|---------------|-----------|------------|--------------|----------------|----------------------------------|-------|-------------------|
|---------------|-----------|------------|--------------|----------------|----------------------------------|-------|-------------------|

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| | | | | | | |
|-------------------------------|-----------|------------|-------------------|-----------------|--|------|
| sodium alkylbenzenesulphonate | 290-656-6 | 90194-45-9 | No data available | Xn; R22-38-41 | Eye Dam. 1 (H318) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) | 3-10 |
| glycerol | 200-289-5 | 56-81-5 | No data available | - | - | 3-10 |
| alkyl alcohol ethoxylate | Polymer* | 64425-86-1 | No data available | Xn,N; R22-41-50 | Eye Dam. 1 (H318) Aquatic Acute 1 (H400) 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

Not required under normal use. Immediately wash off 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. 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

Unlikely to be irritant in normal use.

Eye contact

Causes 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

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.

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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) | UK - Long term value(s) | UK - Short term value(s) |
|---------------|-------------------------|--------------------------|
| glycerol | 10 mg/m ³ | 30 mg/m ³ |

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 |
|-------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | 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) |
|-------------------------------|----------------------------|--|---------------------------|---|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | 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) |
|-------------------------------|----------------------------|--|---------------------------|---|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | 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 |
|-------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | 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 |
|-------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | 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) |
|---------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| | | | | |

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| | | | | |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m ³) |
|-------------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| glycerol | No data available | No data available | No data available | No data available |
| alkyl alcohol ethoxylate | 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. 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: Avoid direct contact and/or splashes where possible. Train personnel.

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: 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.

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**

Physical State: Liquid
Colour: Milky White
Odour: Slightly perfumed
pH: ≈ 7 (neat)
Boiling point/range (°C): Not determined
Flash point (°C): Not applicable.
Flammability: Not flammable.
Specific gravity: 1.21 g/cm³ (20°C)
Solubility in / Miscibility with Water: Fully miscible
Viscosity: ≈ 725 mPa.s (20°C)
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

9.2 Other information

No other relevant information 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) |
|-------------------------------|------------------|-------------------|---------|------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | LD ₅₀ | 12600 | Rat | Method not given | |
| alkyl alcohol ethoxylate | | No data available | | | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|-------------------------------|------------------|-------------------|---------|------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | LD ₅₀ | > 10000 | Rabbit | Method not given | |
| alkyl alcohol ethoxylate | | No data available | | | |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------------------|----------|-------------------|---------|--------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |

Irritation and corrosivity

Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|-------------------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | Not irritant | | OECD 404 (EU B.4) | |
| alkyl alcohol ethoxylate | No data available | | | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |

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Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|-------------------------------|-------------------|---------|--------|-------------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | Not sensitising | | | |
| alkyl alcohol ethoxylate | No data available | | | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | No data available | | | |
| alkyl alcohol ethoxylate | 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 |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| alkyl alcohol ethoxylate | | 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 |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| alkyl alcohol ethoxylate | | 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 |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| alkyl alcohol ethoxylate | | 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 |
|-------------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| sodium alkylbenzenesulphonate | | | No data available | | | | | |
| glycerol | | | No data available | | | | | |
| alkyl alcohol ethoxylate | | | 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 |
|-------------------------------|--|
| sodium alkylbenzenesulphonate | No data available |
| glycerol | No evidence for carcinogenicity, negative test results |
| alkyl alcohol ethoxylate | No data available |

Mutagenicity

| Ingredient(s) | Result (in-vitro) | Method (in-vitro) | Result (in-vivo) | Method (in-vivo) |
|-------------------------------|-------------------|-------------------|-------------------|------------------|
| sodium alkylbenzenesulphonate | No data available | | No data available | |

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| | | | | |
|--------------------------|---|--|-------------------|--|
| glycerol | No evidence for mutagenicity, negative test results | | No data available | |
| alkyl alcohol ethoxylate | 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 |
|-------------------------------|----------|-----------------|--------------------|---------|--------|---------------|------------------------------------|
| sodium alkylbenzenesulphonate | | | No data available | | | | |
| glycerol | | | No data available | | | | Not toxic for reproduction |
| alkyl alcohol ethoxylate | | | 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) |
|-------------------------------|------------------|-------------------|---------------------|------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | LC ₅₀ | 54000 | Oncorhynchus mykiss | Method not given | 96 |
| alkyl alcohol ethoxylate | | No data available | | | |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------------------|------------------|-------------------|----------------------|------------------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | EC ₅₀ | > 10000 | Daphnia magna Straus | Method not given | 48 |
| alkyl alcohol ethoxylate | | No data available | | | |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------------------|----------|-------------------|---------|--------|-------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|-------------------------------|----------|-------------------|---------|--------|----------------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|-------------------------------|------------------|-------------------|--------------------|------------------|---------------|
| sodium alkylbenzenesulphonate | | No data available | | | |
| glycerol | EC ₅₀ | > 10000 | Pseudomonas putida | Method not given | 16 hour(s) |
| alkyl alcohol ethoxylate | | No data available | | | |

Aquatic long-term toxicity

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Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-------------------------------|----------|-------------------|---------|--------|---------------|------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-------------------------------|----------|-------------------|---------|--------|---------------|------------------|
| sodium alkylbenzenesulphonate | | No data available | | | | |
| glycerol | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if 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 |
|-------------------------------|----------|-------------------|------------------|--------|-----------------------|
| sodium alkylbenzenesulphonate | | | | | No data available |
| glycerol | | | | | Readily biodegradable |
| alkyl alcohol ethoxylate | | | | | No data available |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potentialPartition coefficient n-octanol/water (log K_{ow})

| Ingredient(s) | Value | Method | Evaluation | Remark |
|-------------------------------|-------------------|--------|------------|--------|
| sodium alkylbenzenesulphonate | No data available | | | |
| glycerol | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|-------------------------------|-------------------|---------|--------|------------|--------|
| sodium alkylbenzenesulphonate | No data available | | | | |
| glycerol | No data available | | | | |
| alkyl alcohol ethoxylate | No data available | | | | |

12.4 Mobility in soil

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Adsorption/Desorption to soil or sediment

| Ingredient(s) | Adsorption coefficient Log Koc | Desorption coefficient Log Koc(des) | Method | Soil/sediment type | Evaluation |
|-------------------------------|--------------------------------|-------------------------------------|--------|--------------------|------------|
| sodium alkylbenzenesulphonate | No data available | | | | |
| glycerol | No data available | | | | |
| alkyl alcohol ethoxylate | No data available | | | | |

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

12.6 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Waste from residues / unused products Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.
European Waste Catalogue: 20 01 29* - detergents containing dangerous substances.

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

| | |
|--|----------|
| phosphates | 15 - 30% |
| anionic surfactants | 5 - 15% |
| non-ionic surfactants | < 5% |
| perfumes, optical brighteners, enzymes, Citronellol, Benzisothiazolinone | |

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: 609701**Version** 01**Revision:** 2012-04-11**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

- R41 - Risk of serious damage to eyes.
- R38 - Irritating to skin.
- R22 - Harmful if swallowed.
- R50 - Very toxic to aquatic organisms.
- R36 - Irritating to eyes.
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H400 - Very toxic to aquatic life.

Horizon Light**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