Horizon Deosoft Breeze

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

1.1 Product identifier
Trade name: Horizon Deosoft Breeze

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses:
For professional and industrial use only
AISE-P104 - Conditioner (softener/starch). Automatic process
AISE-P105 - Conditioner (softener/starch). Semi-automatic process
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 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:
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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>EC number</th>
<th>CAS number</th>
<th>REACH number</th>
<th>Classification</th>
<th>Classification (EC) 1272/2008</th>
<th>Notes</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>295-344-3</td>
<td>91995-81-2</td>
<td>No data available</td>
<td>Xi;R36/38</td>
<td>Skin Irrit. 2 (H315)  Eye Irrit. 2 (H319)</td>
<td></td>
<td>3-10</td>
</tr>
</tbody>
</table>

* 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.

SECTION 4: First aid measures
SAFETY DATA SHEET

Horizon Deosoft Breeze

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:

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**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Short term - Local effects</th>
<th>Short term - Systemic effects (mg/kg bw)</th>
<th>Long term - Local effects</th>
<th>Long term - Systemic effects (mg/kg bw)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**DNEL dermal exposure - Worker**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Short term - Local effects</th>
<th>Short term - Systemic effects (mg/kg bw)</th>
<th>Long term - Local effects</th>
<th>Long term - Systemic effects (mg/kg bw)</th>
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<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**DNEL dermal exposure - Consumer**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Short term - Local effects</th>
<th>Short term - Systemic effects (mg/kg bw)</th>
<th>Long term - Local effects</th>
<th>Long term - Systemic effects (mg/kg bw)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**DNEL inhalatory exposure - Worker (mg/m³)**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Short term - Local effects</th>
<th>Short term - Systemic effects (mg/kg bw)</th>
<th>Long term - Local effects</th>
<th>Long term - Systemic effects (mg/kg bw)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**DNEL inhalatory exposure - Consumer (mg/m³)**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Short term - Local effects</th>
<th>Short term - Systemic effects (mg/kg bw)</th>
<th>Long term - Local effects</th>
<th>Long term - Systemic effects (mg/kg bw)</th>
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<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Environmental exposure**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Surface water, fresh (mg/l)</th>
<th>Surface water, marine (mg/l)</th>
<th>Intermittent (mg/l)</th>
<th>Sewage treatment plant (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Environmental exposure - PNEC, continued**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Sediment, freshwater (mg/kg)</th>
<th>Sediment, marine (mg/kg)</th>
<th>Soil (mg/kg)</th>
<th>Air (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

### 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:** The product is intended to be used in closed systems.

**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:** 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**
Horizon Deosoft Breeze

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

Physical State: Liquid

Colour: Opaque, Green

Odour: Slightly perfumed

Odour threshold: Not applicable

pH: ≈ 3 (neat)

Melting point/freezing point (°C): Not determined

Initial boiling point and boiling range (°C): Not determined

Substance data, boiling point

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Value (°C)</th>
<th>Method</th>
<th>Atmospheric pressure (hPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

Vapour pressure: Not determined

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Value (Pa)</th>
<th>Method</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Vapour density: Not determined

Relative density: 1.00 g/cm³ (20°C)

Solubility in / Miscibility with Water:: Fully miscible

Substance data, solubility in water

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Value (g/l)</th>
<th>Method</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Autoignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: ≈ 40 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
Horizon Deosoft Breeze

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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>LD₅₀</td>
<td>&gt; 5000</td>
<td>Rat</td>
<td>Method not given</td>
<td></td>
</tr>
</tbody>
</table>

Acute dermal toxicity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
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<tbody>
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<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute inhalative toxicity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity

Skin irritation and corrosivity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Result</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Eye irritation and corrosivity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Result</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Respiratory tract irritation and corrosivity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Result</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sensitisation

Sensitisation by skin contact

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Result</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sensitisation by inhalation

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Result</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg bw/d)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (days)</th>
<th>Specific effects and organs affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sub-chronic dermal toxicity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg bw/d)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (days)</th>
<th>Specific effects and organs affected</th>
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<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sub-chronic inhalation toxicity

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg bw/d)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (days)</th>
<th>Specific effects and organs affected</th>
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<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic toxicity
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:

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg bw/d)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Specific effects and organs affected</th>
<th>Remark</th>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

Aquatic short-term toxicity
Aquatic short-term toxicity - fish

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Aquatic short-term toxicity - crustacea

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
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<td>No data available</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Aquatic short-term toxicity - algae

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (h)</th>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Aquatic short-term toxicity - marine species

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (days)</th>
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<td></td>
<td></td>
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</tr>
</tbody>
</table>

Impact on sewage plants - toxicity to bacteria

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Inoculum</th>
<th>Method</th>
<th>Exposure time</th>
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</thead>
<tbody>
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</table>
### Horizon Deosoft Breeze

#### Safety Data Sheet

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Effects observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
<td>No data available</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### Aquatic Toxicity

**Aquatic long-term toxicity - crustacea**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/l)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
<th>Effects observed</th>
</tr>
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<tbody>
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<td>Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
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<td></td>
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</tr>
</tbody>
</table>

**Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Endpoint</th>
<th>Value (mg/kg dw sediment)</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time (days)</th>
<th>Effects observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
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</tbody>
</table>

### 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:**

### 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

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Inoculum</th>
<th>Analytical method</th>
<th>DT₅₀</th>
<th>Method</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
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<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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.

### Bioaccumulative Potential

**Partition coefficient n-octanol/water (log Kow)**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Value</th>
<th>Method</th>
<th>Evaluation</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tr>
</tbody>
</table>

Bioconcentration factor (BCF)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Evaluation</th>
<th>Remark</th>
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</tr>
</tbody>
</table>

### Mobility in soil

**Adsorption/Desorption to soil or sediment**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Adsorption coefficient Log Koc</th>
<th>Desorption coefficient Log Koc(des)</th>
<th>Method</th>
<th>Soil/sediment type</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized</td>
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</table>

### 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 observing national or local regulations.
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
- Cationic surfactants < 5%
- Perfumes, Hexyl Cinnamal, Benzisothiazolinone, Benzyl Salicylate

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: MS1001175 Version: 01 Revision: 2013-08-12

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:
- 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