# Safety Data Sheet

*According to Regulation (EC) No 1907/2006*

## Sprint Hard Surface Cleaner

*Revision: 2012-10-26* *Version 02*

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

**1.1 Product identifier**
**Trade name:** Sprint Hard Surface Cleaner

**1.2 Relevant identified uses of the substance or mixture and uses advised against**
**Identified uses:**
For professional use only
AISE-P301 - General purpose cleaner. Manual process
AISE-P302 - General purpose cleaner. Spray and wipe manual process
**Uses advised against** Uses other than those identified are not recommended

**1.3 Details of the supplier of the safety data sheet**
Diversey 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 |
|---|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | 252-104-2 | 34590-94-8 | 01-2119450011-60 | - | - | | 3-10 |
| alkyl alcohol ethoxylate | Polymer* | 68439-46-3 | [4] | Xn; R22-41 | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302) | | 1-3 |
| sodium alkylbenzenesulphonate | 290-656-6 | 90194-45-9 | [1] | Xn; R22-38-41 | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315) | | 1-3 |
| hydrocarbons, terpene processing by-products | 273-309-3 | 68956-56-9 | No data available | Xn,N; R51/53-65 | Asp. Tox. 1 (H304)<br>Aquatic Chronic 2 (H411) | | 0.1-1 |

* 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) |
|---|---|---|
| (2-methoxymethylethoxy)propanol | 50 ppm<br>308 mg/m³ | 150 ppm<br>924 mg/m³ |

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

**DNEL/DMEL and PNEC values**
**Human exposure**
DNEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s) | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | No data available | No data available | 1.67 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| hydrocarbons, terpene processing by-products | 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) |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | No data available | No data available | 65 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| hydrocarbons, terpene processing by-products | 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) |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | No data available | No data available | 15 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| hydrocarbons, terpene processing by-products | 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 |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | No data available | No data available | 310 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| hydrocarbons, terpene processing by-products | 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 |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | No data available | No data available | 37.2 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| hydrocarbons, terpene processing by-products | 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) |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | 19 | 1.9 | 190 | 4168 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |

| | | | | |
|---|---|---|---|---|
| hydrocarbons, terpene processing by-products | No data available | No data available | No data available | No data available |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m³) |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | 70.2 | 7.02 | 2.74 | 190 |
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| sodium alkylbenzenesulphonate | No data available | No data available | No data available | No data available |
| hydrocarbons, terpene processing by-products | 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. 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 (%):** 5

**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 Green
**Odour** Slightly perfumed
**Odour threshold:** Not applicable.
**pH:**>= 12 (neat)
**Melting point/freezing point (°C):** Not determined
**Initial boiling point and boiling range (°C):** Not determined
**Flash point (°C):** Not applicable.
**Sustained combustion:** Not determined
**Evaporation rate:** Not determined
**Flammability (solid, gas):** Not determined
**Upper/lower flammability limit (%):** Not determined

**Vapour pressure:** Not determined

**Vapour density:** Not determined
**Relative density:** 1.02 g/cm³ (20°C)

**Solubility in / Miscibility with Water:** Fully miscible

**Autoignition temperature:** Not determined
**Decomposition temperature:** Not determined
**Viscosity:**Not determined
**Explosive properties** Not explosive.
**Oxidising properties:** Not oxidising.

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

## 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**
Reacts with acids.

**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) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $LD_{50}$ | > 4000 | Rat | Method not given | |
| alkyl alcohol ethoxylate | | No data available | | | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $LD_{50}$ | 9510 | Rabbit | Method not given | |
| alkyl alcohol ethoxylate | $LD_{50}$ | 2000 - 5000 | Rat | Method not given | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $LC_{50}$ | 3.35 | Rat | Non guideline test | 7 |
| alkyl alcohol ethoxylate | | No data available | | | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

### Irritation and corrosivity

Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | Not irritant | | Method not given | |
| alkyl alcohol ethoxylate | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| hydrocarbons, terpene processing by-products | No data available | | | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | Not corrosive or irritant | | Method not given | |
| alkyl alcohol ethoxylate | Severe damage | Rabbit | Method not given | |
| sodium alkylbenzenesulphonate | No data available | | | |
| hydrocarbons, terpene processing by-products | No data available | | | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| hydrocarbons, terpene processing by-products | No data available | | | |

### Sensitisation

Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | Not sensitising | | Method not given | |
| alkyl alcohol ethoxylate | Not sensitising | Guinea pig | Method not given | |
| sodium alkylbenzenesulphonate | No data available | | | |
| hydrocarbons, terpene processing by-products | No data available | | | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | | | |
| alkyl alcohol ethoxylate | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| hydrocarbons, terpene processing by-products | 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 |
|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| alkyl alcohol ethoxylate | NOAEL | 80 - 400 | | Method not given | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| hydrocarbons, terpene processing by-products | | 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 |
|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| alkyl alcohol ethoxylate | NOAEL | 80 | | OECD 411 (EU B.28) | 90 | |
| sodium alkylbenzenesulphonate | | No data available | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| hydrocarbons, terpene processing by-products | | 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 |
|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| alkyl alcohol ethoxylate | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| hydrocarbons, terpene processing by-products | | 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 |
|---|---|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | | No data available | | | | | |
| alkyl alcohol ethoxylate | | | No data available | | | | | |
| sodium alkylbenzenesulphonate | | | No data available | | | | | |
| hydrocarbons, terpene processing by-products | | | 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 |
|---|---|
| (2-methoxymethylethoxy)propanol | No evidence for carcinogenicity, negative test results |
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, negative test results |
| sodium alkylbenzenesulphonate | No data available |
| hydrocarbons, terpene processing by-products | No data available |

Mutagenicity

| Ingredient(s) | Result (in-vitro) | Method (in-vitro) | Result (in-vivo) | Method (in-vivo) |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No evidence for mutagenicity, negative test results | Method not given | No data available | |
| alkyl alcohol ethoxylate | No evidence for mutagenicity, negative test results | OECD 473 | No data available | |
| sodium alkylbenzenesulphonate | No data available | | No data available | |
| hydrocarbons, terpene processing by-products | 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 |
|---|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | Developmental toxicity | No data available | | | | No evidence for reproductive toxicity |
| alkyl alcohol ethoxylate | NOAEL | | > 250 | Rat | Not known | | |
| sodium alkylbenzenesulphonate | | | No data available | | | | |
| hydrocarbons, terpene processing by-products | | | 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) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $LC_{50}$ | > 1000 | Poecilia reticulata | Method not given | 96 |
| alkyl alcohol ethoxylate | $LC_{50}$ | 5 - 7 | Fish | 92/69/EEC, C1, semi-static | 96 |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $EC_{50}$ | 1919 | Daphnia magna Straus | Method not given | 48 |
| alkyl alcohol ethoxylate | $EC_{50}$ | 5.3 | Daphnia | 92/69/EEC | 48 |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $EC_{50}$ | > 969 | Pseudokirchneriella subcapitata | Method not given | 96 |
| alkyl alcohol ethoxylate | $EC_{50}$ | 1.4 - 47 | Not specified | 92/69/EEC | 72 |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | No data available | | | |
| alkyl alcohol ethoxylate | | No data available | | | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | $EC_{10}$ | 4168 | Pseudomonas putida | Method not given | |
| alkyl alcohol ethoxylate | $EC_{50}$ | > 140 | Bacteria | Method not given | 3 hour(s) |
| sodium alkylbenzenesulphonate | | No data available | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | |

### Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | No data available | | | | |
| alkyl alcohol ethoxylate | $EC_{10}$ | 8.983 | Not specified | Method not given | 21 day(s) | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| hydrocarbons, terpene processing by-products | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | NOEC | > 0.5 | Daphnia magna | Method not given | 22 day(s) | |
| alkyl alcohol ethoxylate | $EC_{10}$ | 2.579 | Daphnia sp. | Method not given | 21 day(s) | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| hydrocarbons, terpene processing by-products | | 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:

| Ingredient(s) | Half-life time | Method | Evaluation | Remark |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | < 1 day(s) | Method not given | Rapidly photodegradable | |

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 |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | | Oxygen depletion | 75% in 28 day(s) | OECD 301F | Readily biodegradable |
| alkyl alcohol ethoxylate | | | 60 in 28 day(s) | Method not given | Readily biodegradable |
| sodium alkylbenzenesulphonate | | | | | No data available |
| hydrocarbons, terpene processing by-products | | | | | 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 potential

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s) | Value | Method | Evaluation | Remark |
|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | 1.01 | Method not given | Low potential for bioaccumulation | |
| alkyl alcohol ethoxylate | 3.11 - 4.19 | Method not given | High potential for bioaccumulation | |
| sodium alkylbenzenesulphonate | No data available | | | |
| hydrocarbons, terpene processing by-products | No data available | | | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | | | | |
| alkyl alcohol ethoxylate | < 500 | | Method not given | High potential for bioaccumulation | |
| sodium alkylbenzenesulphonate | No data available | | | | |
| hydrocarbons, terpene processing by-products | 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 |
|---|---|---|---|---|---|
| (2-methoxymethylethoxy)propanol | No data available | | | | High potential for mobility in soil |
| alkyl alcohol ethoxylate | No data available | | | | |
| sodium alkylbenzenesulphonate | No data available | | | | |
| hydrocarbons, terpene processing by-products | 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 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**

**Ingredients according to EC Detergents Regulation 648/2004**
anionic surfactants, non-ionic surfactants, soap < 5%
perfumes, Limonene

**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:** MSDS6193 **Version** 02 **Revision:** 2012-10-26

**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.
- R22 - Harmful if swallowed.
- R38 - Irritating to skin.
- R65 - Harmful: may cause lung damage if swallowed.
- R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H411 - Toxic to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**