# Safety Data Sheet

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

## Mr Muscle(*) Washroom Cleaner

*Revision: 2012-11-23* *Version 04*

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

**1.1 Product identifier**
**Trade name:** Mr Muscle(*) Washroom Cleaner

**1.2 Relevant identified uses of the substance or mixture and uses advised against**
**Identified uses:**
For professional use only
AISE-P305 - Sanitary cleaner. Manual process
AISE-P306 - Sanitary cleaner. Spray and wipe manual process
AISE-P314 - Surface disinfectant. Manual process
AISE-P315 - Surface disinfectant. Spray and rinse 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 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:**
S23d - Do not breathe spray.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51 - Use only in well-ventilated areas.

**Further indications on the label:**
Rinse and dry hands after use. For prolonged contact, protection for the skin may be necessary.

**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 |
|---|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | Polymer* | 68439-46-3 | [4] | Xn; R22-41 | Eye Dam. 1 (H318)<br>Acute Tox. 4 (H302) | | 3-10 |
| l-(+)-lactic acid | 201-196-2 | 79-33-4 | 01-2119474164-39 | Xi; R38-41 | Eye Dam. 1 (H318)<br>Skin Irrit. 2 (H315) | | 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. 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. 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. Use only with adequate ventilation. Avoid formation of aerosol. 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 |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic acid | No data available | 35.4 | 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) |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic 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) |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic 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 |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic acid | 592 | 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 |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic acid | 296 | 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) |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic acid | 1.3 | No data available | No data available | 10 |

Environmental exposure - PNEC, continued

| Ingredient(s) | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m³) |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | No data available | No data available | No data available |
| l-(+)-lactic acid | 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. Do not breathe gases, vapour, spray or aerosols. Use only in well-ventilated areas. 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:** Use only in well ventilated areas.
**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:** 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:** Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

**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** Yellow
**Odour** Slightly perfumed
**Odour threshold:** Not applicable.
**pH:**> 2 (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:** Not determined

**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**
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) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $LD_{50}$ | > 2000 | Rat | Method not given | |
| l-(+)-lactic acid | $LD_{50}$ | 1810 | | Method not given | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $LD_{50}$ | > 2000 | Rabbit | Method not given | |
| l-(+)-lactic acid | $LD_{50}$ | > 2000 | Rabbit | Method not given | |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | No data available | | | |
| l-(+)-lactic acid | $LC_{50}$ | > 7.94 | Rat | Method not given | 4 |

**Irritation and corrosivity**
Skin irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | | | |
| l-(+)-lactic acid | Irritant | | Method not given | |

Eye irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | | | |
| l-(+)-lactic acid | Severe damage | | Method not given | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | | | |
| l-(+)-lactic acid | No data available | | | |

**Sensitisation**
Sensitisation by skin contact

| Ingredient(s) | Result | Species | Method | Exposure time (h) |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | Not sensitising | Guinea pig | Method not given | |

| | | | | |
|---|---|---|---|---|
| l-(+)-lactic acid | No data available | | | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | | | |
| l-(+)-lactic 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 |
|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | No data available | | | | |
| l-(+)-lactic acid | | 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 |
|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | NOAEL | 80 | | OECD 411 (EU B.28) | | |
| l-(+)-lactic 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 |
|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | No data available | | | | |
| l-(+)-lactic 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 |
|---|---|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | NOAEL | 80 | | Method not given | | | |
| l-(+)-lactic acid | | | 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 |
|---|---|
| alkyl alcohol ethoxylate | No evidence for carcinogenicity, negative test results |
| l-(+)-lactic acid | No data available |

Mutagenicity

| Ingredient(s) | Result (in-vitro) | Method (in-vitro) | Result (in-vivo) | Method (in-vivo) |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | No evidence for mutagenicity, negative test results | | No data available | |
| l-(+)-lactic acid | 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 |
|---|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | NOAEL | | > 250 | Rat | | | |
| l-(+)-lactic acid | | | 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) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $LC_{50}$ | 5 - 7 | Fish | (EC) 440/2008, C.1 | 96 |
| l-(+)-lactic acid | $LC_{50}$ | 130 | Oncorhynchus mykiss | Method not given | 96 |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $EC_{50}$ | 5.3 | Daphnia magna Straus | 92/69/EEC | 48 |
| l-(+)-lactic acid | $EC_{50}$ | 130 | Daphnia magna Straus | Method not given | 48 |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $EC_{50}$ | 1.4 - 47 | Not specified | 92/69/EEC | 72 |
| l-(+)-lactic acid | $EC_{50}$ | 2800 | Pseudokirchneriella subcapitata | Method not given | 72 |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | No data available | | | |
| l-(+)-lactic acid | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $EC_{50}$ | > 140 | Bacteria | Method not given | |
| l-(+)-lactic acid | $EC_{50}$ | > 100 | Activated sludge | Method not given | 3 hour(s) |

### Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | $EC_{10}$ | 8983 | Not specified | Method not given | 21 day(s) | |
| l-(+)-lactic acid | | No data available | | | | |

Aquatic long-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|---|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | 2579 | Daphnia magna | Method not given | 21 day(s) | |
| l-(+)-lactic acid | | 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 |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | | | | | Readily biodegradable |
| l-(+)-lactic acid | | | | Method not given | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

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

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

| Ingredient(s) | Value | Method | Evaluation | Remark |
|---|---|---|---|---|
| alkyl alcohol ethoxylate | 3.11 - 4.19 | | | |
| l-(+)-lactic acid | No data available | | Not relevant, does not bioaccumulate | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | < 500 | | | | |
| l-(+)-lactic acid | 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 |
|---|---|---|---|---|---|
| alkyl alcohol ethoxylate | No data available | | | | |
| l-(+)-lactic acid | No data available | | | | Low potential for adsorption to 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** 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**
non-ionic surfactants < 5%
disinfectants, 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*

*(*) This brand is used under authority from SC Johnson & Son Inc. Racine, Wisconsin, USA*

**MSDS code:** MSDS4486 **Version** 04 **Revision:** 2012-11-23

**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.
- R36 - Irritating to eyes.
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.

**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**