

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

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

### **1.1. Product identifier**

*foamSOAP*

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

#### **Use of the substance/preparation**

cosmetic products, cleansing products (lotions, powders, shampoos)

### **1.3. Details of the supplier of the safety data sheet**

#### **Address/Manufacturer**

HAGLEITNER HYGIENE International GmbH  
Lunastrasse 5  
A-5700 Zell am See  
Telephone no. +43 (0)5 0456  
Fax no. +43 (0)5 0456 7777  
E-Mail regulatoryaffairs@hagleitner.com  
Information provided Regulatory Affairs  
by / telephone

#### **Address/Supplier**

HAGLEITNER HYGIENE International GmbH  
Lunastrasse 5  
AT5700 Zell am See  
Telephone no. +43 (0)5 0456  
Fax no. +43 (0)5 0456 7777  
E-mail address of regulatoryaffairs@hagleitner.com  
person responsible  
for this SDS

### **1.4. Emergency telephone number**

Anti Poison Center Vienna: +43 (0)1 406 4343

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

#### **Supplemental information**

EUH210 Safety data sheet available on request.

### **2.3. Other hazards**

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

No special hazards have to be mentioned. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

## **SECTION 3: Composition/information on ingredients**

### **3.2. Mixtures**

#### **Hazardous ingredients**

##### **Alkylethersulfate, Sodium salt**

CAS No. 68891-38-3

EINECS no. 500-234-8

Registration no. 01-2119488639-16

Concentration  $\geq 1$  < 2,9 %

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Chronic 3 H412

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318  $\geq 10$  %Eye Irrit. 2 H319  $\geq 5 < 10$  %

##### **Sodium etasulfate**

CAS No. 126-92-1

EINECS no. 204-812-8

Concentration  $\geq 1$  < 3 %

Classification (Regulation (EC) No. 1272/2008)

Eye Dam. 1 H318

Skin Irrit. 2 H315

Concentration limits (Regulation (EC) No. 1272/2008)

Eye Irrit. 2  $\geq 10 < 20$  %Eye Dam. 1  $\geq 20$  %

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

#### **After inhalation**

No special measures required.

#### **After skin contact**

No special measures required.

#### **After eye contact**

In case of contact with eyes rinse thoroughly with water. In case of irritation consult an oculist.

#### **After ingestion**

Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Take medical treatment.

### **4.2. Most important symptoms and effects, both acute and delayed**

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

Until now no symptoms known so far.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Compatible with all usual extinguishing media.

##### **Non suitable extinguishing media**

Compatible with all usual extinguishing media.

#### **5.2. Special hazards arising from the substance or mixture**

None known

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus.

##### **Other information**

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

High risk of slipping due to leakage/spillage of product. Use personal protective clothing.

#### **6.2. Environmental precautions**

Do not discharge into the subsoil/soil. Do not discharge into surface waters/groundwater.

#### **6.3. Methods and material for containment and cleaning up**

Take up with absorbent material (eg sand, kieselguhr, universal binder). Rinse away rest with plenty of water.

#### **6.4. Reference to other sections**

Refer to protective measures listed in Sections 7 and 8. Information regarding waste disposal, see Section 13.

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

No special measures necessary if stored and handled as prescribed.

##### **Advice on protection against fire and explosion**

No special measures required.

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

## 7.2. Conditions for safe storage, including any incompatibilities

### Recommended storage temperature

Value  $\geq$  5  $\leq$  25 °C

### Storage stability

Storage life: 3 years

### Requirements for storage rooms and vessels

Keep only in original packaging.

### Storage classes

Storage class according to TRGS 510 12 Non-combustible liquids

### Further information on storage conditions

Keep container tightly closed; open and handle with care.

## 7.3. Specific end use(s)

cosmetic products; For professional use only.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Other information

There is not known any national exposure limit.

#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### Alkylethersulfate, Sodium salt

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Reference substance  | Alkylethersulfate, Sodium salt |         |
| Type of value        | Derived No Effect Level (DNEL) |         |
| Reference group      | Worker                         |         |
| Duration of exposure | Long term                      |         |
| Route of exposure    | dermal                         |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 2750                           | mg/kg/d |

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Alkylethersulfate, Sodium salt |                   |
|                      | Derived No Effect Level (DNEL) |                   |
| Reference group      | Worker                         |                   |
| Duration of exposure | Long term                      |                   |
| Route of exposure    | inhalative                     |                   |
| Mode of action       | Systemic effects               |                   |
| Concentration        | 175                            | mg/m <sup>3</sup> |

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Type of value        | Alkylethersulfate, Sodium salt |         |
|                      | Derived No Effect Level (DNEL) |         |
| Reference group      | Consumer                       |         |
| Duration of exposure | Long term                      |         |
| Route of exposure    | dermal                         |         |
| Mode of action       | Systemic effects               |         |
| Concentration        | 1650                           | mg/kg/d |

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

|                      |                                |                   |
|----------------------|--------------------------------|-------------------|
| Type of value        | Alkylethersulfate, Sodium salt |                   |
| Reference group      | Derived No Effect Level (DNEL) |                   |
| Duration of exposure | Consumer                       |                   |
| Route of exposure    | Long term                      |                   |
| Mode of action       | inhalative                     |                   |
| Concentration        | Systemic effects               |                   |
|                      | 52                             | mg/m <sup>3</sup> |

|                      |                                |         |
|----------------------|--------------------------------|---------|
| Type of value        | Alkylethersulfate, Sodium salt |         |
| Reference group      | Derived No Effect Level (DNEL) |         |
| Duration of exposure | Consumer                       |         |
| Route of exposure    | Long term                      |         |
| Mode of action       | oral                           |         |
| Concentration        | Systemic effects               |         |
|                      | 15                             | mg/kg/d |

**Predicted No Effect Concentration (PNEC)****Alkylethersulfate, Sodium salt**

|                     |                                |      |
|---------------------|--------------------------------|------|
| Reference substance | Alkylethersulfate, Sodium salt |      |
| Type of value       | PNEC                           |      |
| Type                | Freshwater                     |      |
| Concentration       | 0,24                           | mg/l |
| Method              | Assessment factors             |      |

|               |                                |      |
|---------------|--------------------------------|------|
| Type of value | Alkylethersulfate, Sodium salt |      |
| Type          | PNEC                           |      |
| Concentration | Saltwater                      |      |
| Method        | 0,024                          | mg/l |
|               | Assessment factors             |      |

|               |                                |      |
|---------------|--------------------------------|------|
| Type of value | Alkylethersulfate, Sodium salt |      |
| Type          | PNEC                           |      |
| Concentration | Sewage treatment plant (STP)   |      |
| Method        | 10000                          | mg/l |
|               | Assessment factors             |      |

|               |                                |       |
|---------------|--------------------------------|-------|
| Type of value | Alkylethersulfate, Sodium salt |       |
| Type          | PNEC                           |       |
| Concentration | Freshwater sediment            |       |
| Method        | 5,45                           | mg/kg |
|               | Equilibrium partitioning       |       |

|               |                                |       |
|---------------|--------------------------------|-------|
| Type of value | Alkylethersulfate, Sodium salt |       |
| Type          | PNEC                           |       |
| Concentration | Marine sediment                |       |
| Method        | 0,545                          | mg/kg |
|               | Equilibrium partitioning       |       |

|               |                                |  |
|---------------|--------------------------------|--|
| Type of value | Alkylethersulfate, Sodium salt |  |
|               | PNEC                           |  |

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

|               |                          |       |
|---------------|--------------------------|-------|
| Type          | Soil                     |       |
| Concentration | 0,946                    | mg/kg |
| Method        | Equilibrium partitioning |       |

## 8.2. Exposure controls

### General protective and hygiene measures

Avoid contact with eyes.

### Respiratory protection

Not necessary.

### Hand protection

Not necessary.

### Eye protection

Safety glasses; If used as intended no eye protection is required.

### Body protection

Clothing as usual in the chemical industry. If used as intended no body protection is needed.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                |                               |
|----------------|-------------------------------|
| Physical state | liquid, clear                 |
| Colour         | colourless to slightly yellow |
| Odour          | Product specific              |

### Freezing point

|       |          |    |   |    |
|-------|----------|----|---|----|
| Value | appr. -4 | to | 4 | °C |
|-------|----------|----|---|----|

### Boiling point or initial boiling point and boiling range

|       |           |    |
|-------|-----------|----|
| Value | appr. 100 | °C |
|-------|-----------|----|

### Flammability

not determined

### Flash point

|         |                |    |
|---------|----------------|----|
| Value   | > 100          | °C |
| Remarks | Not applicable |    |

### Decomposition temperature

|         |                                         |
|---------|-----------------------------------------|
| Remarks | No decomposition if used as prescribed. |
|---------|-----------------------------------------|

### pH value

|                                |                          |
|--------------------------------|--------------------------|
| Value                          | appr. 5,9                |
| Concentration/H <sub>2</sub> O | 100 %                    |
| Temperature                    | 20 °C                    |
| Remarks                        | neutral to weakly acidic |

### Viscosity

#### dynamic

|             |       |       |
|-------------|-------|-------|
| Value       | < 100 | mPa.s |
| Temperature | 20 °C |       |

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

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

Remarks not determined

**Vapour pressure**

Remarks not determined

**Density and/or relative density**

|             |       |    |                   |
|-------------|-------|----|-------------------|
| Value       | 1,040 |    | g/cm <sup>3</sup> |
| Temperature | 20    | °C |                   |

**Relative vapour density**

Remarks not determined

**9.2. Other information****Sublimation point**

Remarks not determined

**Evaporation rate**

Remarks not determined

**Evaporation rate (ether = 1) :**

Remarks not determined

**Solubility in water**

Remarks Completely miscible

**Auto-ignition temperature**

Remarks not determined

**Combustion factor**

Remarks not determined

**Oxidising properties**

evaluation None known

**Bulk density**

Remarks not determined

**Packed bulk density**

Remarks not determined

**Solids content**

Remarks not determined

**Saturation Concentration**

Remarks not determined

**Critical point**

Remarks not determined

**Dissociation constant**

Remarks not determined

**Surface tension**

Remarks not determined

**Other information**

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

None known

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

None known

### **10.2. Chemical stability**

Protect from extreme heat and cold.

### **10.3. Possibility of hazardous reactions**

No hazardous reactions known.

### **10.4. Conditions to avoid**

Keep at temperature not exceeding 30 °C.

### **10.5. Incompatible materials**

No hazardous reactions when stored and handled according to prescribed instructions.

### **10.6. Hazardous decomposition products**

No hazardous decomposition products known.

## **SECTION 11: Toxicological information**

### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

#### **Acute oral toxicity (Components)**

##### **Sodium etasulfate**

|         |                     |            |
|---------|---------------------|------------|
| Species | rat                 |            |
| LD50    | =                   | 4000 mg/kg |
| Source  | Manufacturer's data |            |

#### **Acute dermal toxicity (Components)**

##### **Sodium etasulfate**

|         |                     |            |
|---------|---------------------|------------|
| Species | rabbit              |            |
| LD50    | =                   | 6540 mg/kg |
| Source  | Manufacturer's data |            |

#### **Skin corrosion/irritation**

|            |                                                                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| evaluation | non-irritant                                                                                                                                                 |
| Remarks    | On the basis of the test results and under the test conditions the product is to be classified as "harmless" as regards the possibility of skin irritations. |
| Source     | SGS Institute Fresenius GmbH                                                                                                                                 |

#### **Serious eye damage/irritation**

|            |                   |
|------------|-------------------|
| evaluation | slightly irritant |
|------------|-------------------|

#### **Sensitization**

|            |                 |
|------------|-----------------|
| evaluation | non-sensitizing |
|------------|-----------------|

#### **Subacute, subchronic, chronic toxicity**

|         |                |
|---------|----------------|
| Remarks | not determined |
|---------|----------------|

#### **Mutagenicity**

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

Remarks not determined

**Reproductive toxicity**

Remarks not determined

**Carcinogenicity**

Remarks not determined

**Specific Target Organ Toxicity (STOT)**

Remarks not determined

**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Other information**

Product specific toxicological data are not known.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

|                      |                                      |   |      |
|----------------------|--------------------------------------|---|------|
| Reference substance  | Alkylethersulfate, Sodium salt       |   |      |
| CAS No.              | 68891-38-3                           |   |      |
| LC50                 | >                                    | 1 |      |
| Duration of exposure | 96                                   | h |      |
| Reference substance  | Propane-1,2-diol                     |   |      |
| CAS No.              | 57-55-6                              |   |      |
| Species              | Fathead minnow (Pimephales promelas) |   |      |
| LC50                 | 51400                                |   | mg/l |
| Duration of exposure | 96                                   | h |      |
| Source               | IUCLID                               |   |      |

**Fish toxicity (Components)****Sodium etasulfate**

|                      |                                     |     |      |
|----------------------|-------------------------------------|-----|------|
| Species              | rainbow trout (Oncorhynchus mykiss) |     |      |
| LC50                 | >                                   | 100 | mg/l |
| Duration of exposure | =                                   | 96  | h    |
| Source               | Manufacturer's data                 |     |      |

**Daphnia toxicity**

|                      |                                |       |      |
|----------------------|--------------------------------|-------|------|
| Reference substance  | Alkylethersulfate, Sodium salt |       |      |
| CAS No.              | 68891-38-3                     |       |      |
| Species              | Daphnia magna                  |       |      |
| EC50                 | >                              | 43500 | mg/l |
| Duration of exposure | 48                             | h     |      |
| Reference substance  | Propane-1,2-diol               |       |      |
| CAS No.              | 57-55-6                        |       |      |
| Species              | Daphnia magna                  |       |      |
| EC100                | 50000                          |       | mg/l |
| Duration of exposure | 48                             | h     |      |

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

|                      |                                                   |      |
|----------------------|---------------------------------------------------|------|
| Source               | IUCLID                                            |      |
| Reference substance  | PEG-5 Laurylcitrate sulfosuccinate, disodium salt |      |
| CAS No.              | 164458-73-5                                       |      |
| Species              | Daphnia magna                                     |      |
| EC50                 | 16                                                | mg/l |
| Duration of exposure | 48                                                | h    |
| Method               | OECD TG 202                                       |      |
| Source               | IUCLID                                            |      |

**Daphnia toxicity (Components)****Sodium etasulfate**

|                      |               |      |
|----------------------|---------------|------|
| Species              | Daphnia magna |      |
| EC50                 | = 1210        | mg/l |
| Duration of exposure | = 48          | h    |

**Algae toxicity**

|                      |                           |      |
|----------------------|---------------------------|------|
| Reference substance  | Propane-1,2-diol          |      |
| CAS No.              | 57-55-6                   |      |
| Species              | Selenastrum capricornutum |      |
| EC50                 | 19000                     | mg/l |
| Duration of exposure | 14                        | d    |
| Source               | IUCLID                    |      |
| Reference substance  | Propane-1,2-diol          |      |
| CAS No.              | 57-55-6                   |      |
| Species              | Skeletonema costatum      |      |
| EC50                 | 19100                     | mg/l |
| Duration of exposure | 14                        | d    |
| Source               | IUCLID                    |      |

**Algae toxicity (Components)****Sodium etasulfate**

|                      |                         |      |
|----------------------|-------------------------|------|
| Species              | Scenedesmus subspicatus |      |
| EC50                 | = 1280                  | mg/l |
| Duration of exposure | = 72                    | h    |

**Bacteria toxicity**

|                      |                         |      |
|----------------------|-------------------------|------|
| Reference substance  | Sodium cumenesulphonate |      |
| CAS No.              | 15763-76-5              |      |
| Species              | Pseudomonas putida      |      |
| EC10                 | > 16000                 | mg/l |
| Duration of exposure | 48                      | h    |
| Source               | IUCLID                  |      |

**12.2. Persistence and degradability****General information**

not determined

**12.3. Bioaccumulative potential****General information**

not determined

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

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

Remarks

not determined

**12.4. Mobility in soil****General information**

not determined

**12.5. Results of PBT and vPvB assessment****General information**

not determined

**12.6 Endocrine disrupting properties****General information**

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

**12.7. Other adverse effects****General information**

not determined

**Global Warming Potential**

Remarks not determined

**General information / ecology**

Ecological data are not available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code 07 06 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

The listed waste code numbers, according to the European Waste Catalogue (EWC), are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

**Disposal recommendations for packaging**

Completely emptied packagings can be given for recycling.

**SECTION 14: Transport information**

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

|                                         | Land transport ADR/RID                                                    | Marine transport<br>IMDG/GGVSee                                          | Air transport ICAO/IATA                                                  |
|-----------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>14.1. UN number</b>                  | The product does not constitute a hazardous substance in land transport.- | The product does not constitute a hazardous substance in sea transport.- | The product does not constitute a hazardous substance in air transport.- |
| <b>14.2. UN proper shipping name</b>    | -                                                                         | -                                                                        | -                                                                        |
| <b>14.3. Transport hazard class(es)</b> | -                                                                         | -                                                                        | -                                                                        |
| Label                                   |                                                                           |                                                                          |                                                                          |
| <b>14.4. Packing group</b>              | -                                                                         | -                                                                        | -                                                                        |
| <b>14.5. Environmental hazards</b>      | -                                                                         |                                                                          | -                                                                        |

**Information for all modes of transport****14.6. Special precautions for user**

The product does not constitute a hazardous substance in land transport.

**Other information****14.7 Maritime transport in bulk according to IMO instruments**

not determined

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****less than 5 %:**

anionic surfactants, non-ionic surfactants

**Further ingredients**

perfumes

**Water Hazard Class (Germany)**Water Hazard Class  
(Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

Trade name: foamSOAP

Substance number: SUB302021080000

Version: 13 / EU

Date revised: 03.10.2024

the date of issue: 05.04.07

Replaces Version: 12 / EU

Print date: 03.10.2024

**VOC**

|          |   |   |   |
|----------|---|---|---|
| VOC (CH) | = | 3 | % |
| VOC (EU) | = | 3 | % |

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has been carried out.

**SECTION 16: Other information**

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (\*) in the left-hand margin.

Classification and method used to derive the classification of mixtures in accordance with Regulation (EC) No 1272/2008 [CLP]: Based on test data, calculation method;

**Hazard statements listed in Chapter 3**

|      |                                                    |
|------|----------------------------------------------------|
| H315 | Causes skin irritation.                            |
| H318 | Causes serious eye damage.                         |
| H412 | Harmful to aquatic life with long lasting effects. |

**CLP categories listed in Chapter 3**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Aquatic Chronic 3 | Hazardous to the aquatic environment, chronic, Category 3 |
| Eye Dam. 1        | Serious eye damage, Category 1                            |
| Skin Irrit. 2     | Skin irritation, Category 2                               |

**Abbreviations**

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service  
VOC: Volatile Organic Compound  
INCI: International Nomenclature of Cosmetic Ingredients  
VCI: Verband der Chemischen Industrie e.V.  
MAK: Maximale Arbeitsplatz-Konzentration  
LD: Lethal dose  
LC: Lethal concentration  
REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals  
GHS: Globally Harmonized System of classification and Labelling of Chemicals  
INCI: International Nomenclature of Cosmetic Ingredients  
CEFIC: European Chemical Industry Council  
PNEC: Predicted no effect concentration  
DMEL: Derived minimal effect level  
DNEL: Derived no effect level  
UN: United Nations

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

