

**Safety Data Sheet (1907/2006/EC)**

Material: 60003039

**SILFOAM® SRE  
ANTIFOAM EMULSION**

Version 5.0 (GB)

Print Date 01.03.2023

Date of last alteration: 15.11.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Commercial product name: SILFOAM® SRE  
ANTIFOAM EMULSION**

This substance/ mixture contains nanoforms

**1.2 Relevant identified uses of the substance or mixture and uses advised against**Use of substance / preparation:  
Industrial. Commercial.  
defoaming agent**1.3 Details of the supplier of the safety data sheet**

|                           |                                   |
|---------------------------|-----------------------------------|
| Manufacturer/distributor: | Wacker Chemie AG                  |
| Street/POB-No.:           | Hanns-Seidel-Platz 4              |
| State/postal code/city:   | D 81737 München                   |
| Telephone:                | +49 89 6279-0                     |
| Contact point:            | Wacker Chemicals Ltd.             |
| Street/POB-No.:           | 2 Arlington Square, Downshire Way |
| Postal code/city:         | Bracknell RG12 1WA                |
| Country:                  | United Kingdom                    |
| Telephone:                | +44 1344 401 670                  |

|  |           |                      |
|--|-----------|----------------------|
| Information about the Safety Data Sheet: | Telephone | +49 8677 83-4888     |
|  | eMail     | WLCP-MSDS@wacker.com |

**1.4 Emergency telephone number**Emergency Information: **+44 1273 289451****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008:

| Classification                 | H-Code |
|--------------------------------|--------|
| Skin sensitisation, Category 1 | H317   |

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008:

Pictogram(s):



Signal Word: Warning

| H-Code | Hazard Statements                    |
|--------|--------------------------------------|
| H317   | May cause an allergic skin reaction. |

| P-Code      | Precautionary Statements  |
|-------------|---|
| P280        | Wear protective gloves/protective clothing/eye protection.        |
| P261        | Avoid breathing vapours/spray.                                    |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.                   |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/ attention. |
| P501        | Dispose of contents/container to waste disposal.                  |

| Hazard ingredients (labelling):                                      |
|--|
| 2-methyl-4-isothiazolin-3-one  |
| Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix) |

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**Biocidal Products Regulation (528/2012)**

Contains a 3:1 mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one as preservative for products during storage according to regulation (EC) No 528/2012 art. 58(3).

**2.3 Other hazards**

No data available.

Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

not applicable

**3.2 Mixtures****3.2.1 Chemical characteristics**

Polydimethylsiloxane and auxiliary , (emulsion in water)

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**3.2.2 Hazardous ingredients**

|  |   |                         |
|--|---|-------------------------|
| Tridecanol ethoxylate, branched with 5-6 EO                          |   | >1 – <3 %               |
| CAS-No.: 69011-36-5  |   |                         |
| INHA   | [1]   |                         |
| Classification according to Regulation (EC) No. 1272/2008*           | Aquatic Chronic 3 / H412; Eye Dam. 1 / H318   |                         |
| alpha-octadecyl-omega-hydroxy-polyglycoether 6-7 EO                  |   | >1 – <2 %               |
| CAS-No.: 9005-00-9   |   |                         |
| INHA   | [1]   |                         |
| Classification according to Regulation (EC) No. 1272/2008*           | Aquatic Acute 1 / H400; Aquatic Chronic 3 / H412<br>M-Factor, Acute = 1   |                         |
| 2-Bromo-2-nitropropane-1,3-diol                                      |   | <=0,05 %                |
| CAS-No.: 52-51-7   | EC-No.: 200-143-0   | Index-No.: 603-085-00-8 |
| INHA   | [1]   |                         |
| Classification according to Regulation (EC) No. 1272/2008*           | Acute Tox. 4, oral / H302; Acute Tox. 4, dermal / H312; Aquatic Acute 1 / H400; Eye Dam. 1 / H318; Skin Irrit. 2 / H315; STOT SE 3 / H335; Aquatic Chronic 2 / H411<br>M-Factor, Acute = 10   |                         |
| Chloro-methyl-isothiazolin-one and methyl-isothiazolin-one (3:1 mix) |   | <0,01 %                 |
| CAS-No.: 55965-84-9  |   | Index-No.: 613-167-00-5 |
| INHA   | [1]   |                         |
| Classification according to Regulation (EC) No. 1272/2008*           | Acute Tox. 3, oral / H301; Acute Tox. 2, dermal / H310; Acute Tox. 2, by inhalation / dust/mist / H330; Skin Corr. 1C / H314; Skin Sens. 1A / H317; Aquatic Acute 1 / H400; Aquatic Chronic 1 / H410; Eye Dam. 1 / H318<br>EUH071<br>M-Factor, Acute = 100<br>M-Factor, Chronic = 100<br>specific concentration limit:<br>>= 0,0015 %: Skin Sens. 1A / H317<br>0,06 - < 0,6 %: Eye Irrit. 2 / H319<br>0,06 - < 0,6 %: Skin Irrit. 2 / H315<br>>= 0,6 %: Skin Corr. 1C / H314<br>>= 0,6 %: Eye Dam. 1 / H318 |                         |
| 2-methyl-4-isothiazolin-3-one  |   | <0,01 %                 |
| CAS-No.: 2682-20-4   | EC-No.: 220-239-6   | Index-No.: 613-326-00-9 |
| INHA   | [1]   |                         |
| Classification according to Regulation (EC) No. 1272/2008*           | Aquatic Chronic 1 / H410; Aquatic Acute 1 / H400; Skin Sens. 1A / H317; Eye Dam. 1 / H318; Skin Corr. 1B / H314; Acute Tox. 2, by inhalation / dust/mist / H330; Acute Tox. 3, dermal / H311; Acute Tox. 3, oral / H301<br>EUH071<br>M-Factor, Acute = 10<br>M-Factor, Chronic = 1<br>specific concentration limit:<br>>= 0,0015 %: Skin Sens. 1A / H317  |                         |

Type: INHA: ingredient, VERU: impurity

[1] = Hazardous or environmentally harmful substance; [2] = substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance; [5] = Endocrine disrupting properties

\*Classification codes are explained in section 16.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

**SECTION 4: First aid measures**

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**4.1 Description of first aid measures****General information:**

Take persons to a safe place. Observe self-protection for first aid. In the event of allergic reactions, particularly those affecting the respiratory system, seek immediate medical advice.

**After contact with the eyes:**

Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice and clearly identify substance.

**After contact with the skin:**

Remove contaminated or soaked clothing. Wash off with plenty of water or water and soap immediately for 10-15 minutes. In serious cases, use emergency shower immediately. Seek medical advice and clearly identify substance.

**After inhalation:**

Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. If breathing stops, administer artificial respiration. Seek medical advice and clearly identify substance.

**After swallowing:**

If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and clearly identify substance.

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

Any relevant information can be found in other parts of this section.

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

Product can lead to sensitisation and can trigger allergies. After inhalation: treat as early as possible using cortisone spray. Further toxicology information in section 11 must be observed.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media:**

not applicable

**Extinguishing media which must not be used for safety reasons:**

not applicable

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

Ambient fire may lead to hazardous fumes. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes .

**5.3 Advice for firefighters****Special protective equipment for fire fighting:**

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

**General information:**

Product does not burn. Use extinguishing measures appropriate to the source of the fire.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. If material is released indicate risk of slipping. Do not walk through spilled material.

**6.2 Environmental precautions**

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Contain any fluid that runs out using suitable material (e.g. earth). Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

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

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. For small amounts: Absorb with a neutral (non-acidic / non-basic) liquid binding material such as diatomaceous earth and dispose of according to government regulations. For large amounts: Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction.

**6.4 Reference to other sections**

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****General information:**

Always stir well before use. Avoid exposure by technical measures or personal protective equipment.

**Precautions for safe handling:**

Avoid formation of aerosols. In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection). Spilled substance increases risk of slipping. Observe information in section 8.

**Precautions against fire and explosion:**

Observe the general rules for fire prevention.

**7.2 Conditions for safe storage, including any incompatibilities****Conditions for storage rooms and vessels:**

Observe local/state/federal regulations.

**Advice for storage of incompatible materials:**

Observe local/state/federal regulations.

**Further information for storage:**

Store in a dry and cool place. Protect against sun. Protect against frost.

**Minimum temperature allowed during storage and transportation:** 0 °C

**Maximum temperature allowed during storage and transportation:** 35 °C

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Maximum airborne concentrations at the workplace:**

| Substance                    | Type | mg/m <sup>3</sup> | ppm | Dust fract. | Fibre/m <sup>3</sup> |
|------------------------------|------|-------------------|-----|-------------|----------------------|
| Aerosol - inhalable fraction |      | 10,0              |     |             |                      |

The aerosol limit specified is a recommendation should aerosol be formed during processing.

**8.2 Exposure controls****8.2.1 Exposure in the work place limited and controlled****General protection and hygiene measures:**

Avoid exposure - obtain special instructions before use. Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Preventive skin protection recommended. Wash hands at the end of work and before eating. Keep working clothes separately. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling.

**Further information for system design and engineering measures**

Observe information in section 7. Observe national regulatory requirements.

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**Personal protection equipment:****Respiratory protection**

No personal respiratory protective equipment normally required.

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Suitable respiratory equipment: Filtering half-face mask, according to acknowledged standards such as EN 149.

Recommended Filter type: FFP1 or equivalent filter, according to acknowledged standards such as EN 149

Observe the equipment manufacturer's information and wear time limits for respirators.

**Eye protection**

tight fitting protective goggles .

**Hand protection**

Protective gloves are required at all times when handling the material, according to recognized standards such as EN374.

Recommended glove types: Protective gloves made of butyl rubber

thickness of the material: &gt; 0,3 mm

Breakthrough time: &gt; 480 min

Recommended glove types: Protective gloves made of nitrile rubber

thickness of the material: &gt; 0,4 mm

Breakthrough time: 10 - 30 min

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

**Skin protection**

If handled uncovered: Chemical protective clothing, full-body liquid-tight protection if necessary. Please observe the instructions regarding permeability time which are provided by the supplier.

**8.2.2 Exposure to the environment limited and controlled**

Prevent material from entering surface waters, drains or sewers and soil.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

| <b>Property:</b>                             | <b>Value:</b>  | <b>Method:</b>     |
|--|--|--------------------|
| Physical state .....                         | liquid   |                    |
| Colour .....                                 | white  |                    |
| Odour .....                                  | faint  |                    |
| Odour Threshold .....                        | no data available  |                    |
| Melting point.....                           | -1 °C  |                    |
| Boiling point/boiling range .....            | 100 °C at 1013 hPa   |                    |
| Lower explosion limit.....                   | exempt   |                    |
| Upper explosion limit.....                   | exempt   |                    |
| Flash point.....                             | not determinable (Substance exhibits no flashpoint until (ISO 3679) boiling commences. ) |                    |
| Ignition temperature .....                   | Not applicable.  |                    |
| Thermal decomposition.....                   | no data available  |                    |
| pH .....                                     | 5 - 8 (100 %)  | (Indicator strips) |
| Viscosity, kinematic.....                    | no data available  |                    |
| Viscosity, dynamic.....                      | 20 - 2500 mPa.s at 25 °C (Brookfield, spindle 1 / 50 rpm)(Brookfield)                    |                    |
| Water solubility .....                       | completely miscible  |                    |
| Partition coefficient: n-octanol/water ..... | not applicable   |                    |
| Vapour pressure.....                         | 23 hPa at 20 °C  |                    |
| Density .....                                | 1 g/cm <sup>3</sup> (20 °C)  | (DIN 12791)        |
| Relative vapour density.....                 | no data available  |                    |

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Particle Size Distribution .....: Not applicable.

**9.2 Other information**

No data available.

**Property:**

|                                |                   |
|--------------------------------|-------------------|
| Sustained combustibility.....: | > 100 °C          |
| Evaporation rate.....:         | no data available |
| Molecular weight.....:         | not applicable    |

**Value:****Method:**

(ISO 9038)

**SECTION 10: Stability and reactivity****10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions**

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

**10.4 Conditions to avoid**

None known.

**10.5 Incompatible materials**

None known.

**10.6 Hazardous decomposition products**

If stored and handled properly: none known. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****11.1.1 Acute toxicity****Assessment:**

Based on the available data acute toxic effects are not expected after single dermal exposure. Based on the available data acute toxic effects are not expected after single oral exposure.

**Product details:**

| Exposure routes | Result/Effect   |
|-----------------|---|
| Oral            | LD50 > 5000 mg/kg<br>Neither mortality nor clinical signs of toxicity were observed with the given dose.<br>Species: Rat, Method: OECD 401, Source: test report |
| dermal          | LD50 > 2000 mg/kg<br>Neither mortality nor clinical signs of toxicity were observed with the given dose.<br>Species: Rat, Method: OECD 402, Source: test report |

**11.1.2 Skin corrosion/irritation****Assessment:**

Based on the available data a clinically relevant skin irritation hazard is not expected.

**Product details:**

|  |
|--|
| No skin irritation<br>(Species: Rabbit, Source: Conclusion by analogy) |
|--|

**11.1.3 Serious eye damage/eye irritation****Assessment:**

Based on the available data a clinically relevant eye irritation hazard is not expected.

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**Product details:**

No eye irritation  
(Species: Rabbit, Source: Conclusion by analogy)

**11.1.4 Respiratory or skin sensitisation****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.5 Germ cell mutagenicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.6 Carcinogenicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.7 Reproductive toxicity****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.8 Specific target organ toxicity - single exposure****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.9 Specific target organ toxicity - repeated exposure****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.10 Aspiration hazard****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**11.2.2 Further toxicological information**

Contains < 0.1% of a substance for which studies indicate a low sensitization threshold in humans.

**SECTION 12: Ecological information****12.1 Toxicity****Assessment:**

No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

**Product details:**

| Result/Effect        | Species/Test system                              | Source                |
|----------------------|--|-----------------------|
| LC50: 180 - 250 mg/l | static test<br>Danio rerio (zebra fish) (96 h)   | test report           |
| EC50: > 100 mg/l     | static test<br>Daphnia magna (Water flea) (48 h) | Conclusion by analogy |



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|                     |                        |             |
|---------------------|------------------------|-------------|
| EC50: > 320 mg/l    | activated sludge (3 h) | test report |
| NOEC: >= 1000 mg/kg | Earthworm (14 d)       | test report |

**12.2 Persistence and degradability****Assessment:**

Silicone content: biologically not degradable. Elimination by adsorption to activated sludge.

**Product details:****Biodegradation:**

| Result            | Test system/Method | Source      |
|-------------------|--------------------|-------------|
| 82 % / 7 d        | DOC - decrease     | test report |
| Good elimination. |                    | OECD 302B   |

**Biochemical Oxygen Demand (BOD) / Chemical Oxygen Demand (COD)**

| Result                                     | Method |
|--|--------|
| BOD5: 140 mg/g (Source: test report.)      |        |
| COD-Value: 580 mg/g (Source: test report.) |        |

**12.3 Bioaccumulative potential****Assessment:**

Bioaccumulation is not expected to occur.

**12.4 Mobility in soil****Assessment:**

No adverse effects expected. Separation by sedimentation.

**12.5 Results of PBT and vPvB assessment**

No data available.

**12.6 Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

none known

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****13.1.1 Material****Recommendation:**

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

**13.1.2 Uncleaned packaging****Recommendation:**

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

**13.1.3 Waste Disposal Legislation Ref.No.(EC)**

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

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**SECTION 14: Transport information****14.1 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group****Road ADR:**

Valuation .....: Not regulated for transport

**Railway RID:**

Valuation .....: Not regulated for transport

**Transport by sea IMDG-Code:**

Valuation .....: Not regulated for transport

**Air transport ICAO-TI/IATA-DGR:**

Valuation .....: Not regulated for transport

**14.5 Environmental hazards**

Hazardous to the environment: no

**14.6 Special precautions for user**

Do not transport below melting temperature.

Relevant information in other sections has to be considered.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

Bulk transport in tankers is not intended.

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

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

**Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):**

Not applicable

**Relevant regulations:**

SI 2002/1689: CHIP Regulations 2002

SI 2002/2677: COSHH Regulations 2002

SI 1999/3242: Management of Health & Safety at Work Regulations 1999  
Health & Safety at Work Act 1974

SI 1993/1643: Environmental Protection Act 1993 &amp; Subsidiary Regulations.

Other national and local measures relating to the workplace, pollution control, environmental protection and waste control.

**Other specifications, restrictions and prohibitions:**

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals: Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX I. RESTRICTED EXPLOSIVES  
PRECURSORS: Not applicableRegulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX II. REPORTABLE EXPLOSIVES  
PRECURSORS: Not applicable**Details of international registration status**

Relevant information about individual substance inventories, where available, is given below.

Japan .....: **ENCS** (Handbook of Existing and New Chemical Substances):  
This product is listed in, or complies with, the substance inventory.Australia .....: **AIIC** (Australian Inventory of Industrial Chemicals):  
This product is listed in, or complies with, the substance inventory.China.....: **IECSC** (Inventory of Existing Chemical Substances in China):  
This product is listed in, or complies with, the substance inventory.

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|                                       |   |
|---------------------------------------|---|
| Canada .....                          | <b>DSL</b> (Domestic Substance List):<br>This product is listed in, or complies with, the substance inventory.  |
| Philippines.....                      | <b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances):<br>This product is listed in, or complies with, the substance inventory.  |
| United States of America (USA).....   | <b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory):<br>All components of this product are listed as active or are in compliance with the substance inventory.   |
| Taiwan .....                          | <b>TCSI</b> (Taiwan Chemical Substance Inventory):<br>This product is listed in, or complies with, the substance inventory. General note:<br>The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation. |
| European Economic Area (EEA).....     | <b>REACH</b> (Regulation (EC) No 1907/2006):<br>General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.   |
| South Korea (Republic of Korea) ..... | <b>AREC</b> (Act on Registration and Evaluation of Chemicals; "K-REACH"):<br>Please approach your regular contact for more detailed information.  |

**15.2 Chemical safety assessment**

Due to the results of the chemical safety assessment, exposure scenarios and identified uses are not of relevance for this safety data sheet.

**SECTION 16: Other information****16.1 Material**

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

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**16.2 Further information:**

Commas appearing in numerical data denote a decimal point. Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

ABEK - Multi-Range Filter A, B, E, K; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; APF - Assigned Protection Factor; CAS No. - Chemical Abstracts Service Registry Number; DFG - German Research Foundation; DIN - German institute for standardization; DOC - Dissolved Organic Carbon; d/w - days per week; EC / CE / EG - European Community; EC50 / CE50 - Median effective concentration; ECHA - European Chemicals Agency; ED - endocrine disruptor; EG-RL - test method according to Regulation 440/2008; EN - European Standard; ERC - Environmental Release Category; g/cm<sup>3</sup> - gram per cubic centimeter; h - hour(s); H-Code - hazard statement code(s); hPa - Hectopascal; IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 / CI50 - half maximal inhibitory concentration; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IMDG Code - International Maritime Dangerous Goods Code; ISO - International Organization for Standardization; LC50 / CL50 - medium lethal concentration; LD50 / DL50 - medium lethal dose; LOAEC - Lowest Observed Adverse Effect Concentration; LOAEL - Lowest Observed Adverse Effect Level; MARPOL - International Convention for the Prevention of Marine Pollution from Ships; mg/g - milligrams per gram; mg/kg - milligrams per kilogram; mg/l - milligrams per liter; mg/m<sup>3</sup> - milligrams per cubic meter; min - minutes; mJ - millijoule; mm -

**Safety Data Sheet (1907/2006/EC)**

Material: 60003039

**SILFOAM® SRE  
ANTIFOAM EMULSION**

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millimeter; mm<sup>2</sup>/s - square millimeter per second; mPa.s - Millipascal second(s); MSDS / SDB / SDS - safety data sheet; No Observed Adverse Effect Concentration; NOAEL - No Observed adverse effect level; NOEC - No Observed Effect Concentration; NOEL - No Observed Effect Level; OECD - Organization for Economic Cooperation and Development; PBT - persistent, bioaccumulative, toxic; PC - product category; P-Code - precautionary statement code(s); ppm - parts per million; PROC - process category; RCP - reciprocal calculation-based procedure; RID - convention concerning international carriage by rail; SU - sector of use; SVHC - substance of very high concern; Vol% - volume percent; UN No. - United Nations Dangerous Goods Number; vPvB - very Persistent, very Bioaccumulative

Explanation of the GHS classification code:

Aquatic Chronic 3; H412 : Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.  
 Eye Dam. 1; H318.....: Serious eye damage/eye irritation Category 1; Causes serious eye damage.  
 Aquatic Acute 1; H400: Short-term (acute) aquatic hazard Category 1; Very toxic to aquatic life.  
 Aquatic Chronic 3; H412 : Long-term (chronic) aquatic hazard Category 3; Harmful to aquatic life with long lasting effects.  
 Acute Tox. 4; H302 .....: Acute toxicity Category 4; Harmful if swallowed.  
 Acute Tox. 4; H312 .....: Acute toxicity Category 4; Harmful in contact with skin.  
 Aquatic Acute 1; H400: Short-term (acute) aquatic hazard Category 1; Very toxic to aquatic life.  
 Eye Dam. 1; H318.....: Serious eye damage/eye irritation Category 1; Causes serious eye damage.  
 Skin Irrit. 2; H315 .....: Skin corrosion/irritation Category 2; Causes skin irritation.  
 STOT SE 3; H335 .....: Specific target organ toxicity - single exposure Category 3; May cause respiratory irritation.  
 Aquatic Chronic 2; H411 : Long-term (chronic) aquatic hazard Category 2; Toxic to aquatic life with long lasting effects.  
 Acute Tox. 3; H301 .....: Acute toxicity Category 3; Toxic if swallowed.  
 Acute Tox. 2; H310 .....: Acute toxicity Category 2; Fatal in contact with skin.  
 Acute Tox. 2; H330 .....: Acute toxicity Category 2; Fatal if inhaled.  
 Skin Corr. 1C; H314....: Skin corrosion/irritation Category 1C; Causes severe skin burns and eye damage.  
 Skin Sens. 1A; H317...: Skin sensitisation Category 1A; May cause an allergic skin reaction.  
 Aquatic Acute 1; H400: Short-term (acute) aquatic hazard Category 1; Very toxic to aquatic life.  
 Aquatic Chronic 1; H410 : Long-term (chronic) aquatic hazard Category 1; Very toxic to aquatic life with long lasting effects.  
 Eye Dam. 1; H318.....: Serious eye damage/eye irritation Category 1; Causes serious eye damage.  
 EUH071 .....: Corrosive to the respiratory tract.  
 Aquatic Chronic 1; H410 : Long-term (chronic) aquatic hazard Category 1; Very toxic to aquatic life with long lasting effects.  
 Aquatic Acute 1; H400: Short-term (acute) aquatic hazard Category 1; Very toxic to aquatic life.  
 Skin Sens. 1A; H317...: Skin sensitisation Category 1A; May cause an allergic skin reaction.  
 Eye Dam. 1; H318.....: Serious eye damage/eye irritation Category 1; Causes serious eye damage.  
 Skin Corr. 1B; H314 ....: Skin corrosion/irritation Category 1B; Causes severe skin burns and eye damage.  
 Acute Tox. 2; H330 .....: Acute toxicity Category 2; Fatal if inhaled.  
 Acute Tox. 3; H311 .....: Acute toxicity Category 3; Toxic in contact with skin.  
 Acute Tox. 3; H301 .....: Acute toxicity Category 3; Toxic if swallowed.  
 EUH071 .....: Corrosive to the respiratory tract.

| Classification                 | Rationale:         |
|--------------------------------|--------------------|
| Skin sensitisation, Category 1 | Calculation method |

**- End of Safety Data Sheet -**