

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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## SIHA Silicone defoamer SE

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

#### 1.1. Product identifier

**Trade name/designation:**

SIHA Silicone defoamer SE

**Article No.:**

85513

**Additional information:**

The substance does not require registration according to REACH.

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

**Use of the substance/mixture:**

Antifoaming agent (defoamer) ; Product for Beverage treatment

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

**Supplier (manufacturer/importer/only representative/downstream user/distributor):**

**Eaton Technologies GmbH**

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

**Telephone:** +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

**Telefax:** +49 6704 204-121

**E-mail:** SDB@Eaton.com

**Website:** www.eaton.com/filtration

#### 1.4. Emergency telephone number

No data available

### SECTION 2: Hazards identification

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

**Classification according to Regulation (EC) No 1272/2008 [CLP]:**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**Additional information:**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### 2.3. Other hazards

**Other adverse effects:**

Special danger of slipping by leaking/spilling product.

### SECTION 3: Composition / information on ingredients

#### 3.2. Mixtures

**Description:**

Polydimethylsiloxane + filler, emulsion in water

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information:**

Move victim out of danger zone.

**Following inhalation:**

Provide fresh air. In case of respiratory tract irritation, consult a physician.

**In case of skin contact:**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

IF ON CLOTHING: Change contaminated, saturated clothing.

**After eye contact:**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

**After ingestion:**

Rinse mouth thoroughly with water. Do NOT induce vomiting. Consult physician immediately.

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

No data available

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

No data available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>), Water mist, Foam, Dry extinguishing powder

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

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

In case of fire may be liberated: Gases/vapours, toxic

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### 5.4. Additional information

No data available

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

The product should be handled with the care usual when dealing with chemicals.

Avoid contact with eyes and skin.

Handle and open container with care.

Special danger of slipping by leaking/spilling product.

##### 6.1.2. For emergency responders

No data available

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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

#### For cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

Wash with plenty of water.

### 6.4. Reference to other sections

No data available

### 6.5. Additional information

No data available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

#### Advices on safe handling:

The product should be handled with the care usual when dealing with chemicals.

Avoid contact with eyes and skin.

Use only in well-ventilated areas. Do not breathe gas/vapour/aerosol.

Special danger of slipping by leaking/spilling product.

#### Fire prevent measures:

Keep away from sources of ignition - No smoking. Provide adequate ventilation.

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

#### Requirements for storage rooms and vessels:

Protect against: Heat, Frost, UV-radiation/sunlight

Do not store at temperatures above 50°C

Keep only in the original container in a cool, well-ventilated place.

Keep container tightly closed and dry.

#### Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

**Storage class:** 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No special technical protective measures are necessary.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Tightly sealed safety glasses.

##### Skin protection:

Hand protection: The selection of suitable gloves not only depends on the material, but also on other quality characteristics. These may vary from manufacturer to manufacturer. Since the product is a preparation from several substances, the resistance of glove materials cannot be determined in advance and must therefore be checked prior to the application.

Suitable material: Suitable gloves type: NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

Thickness of the glove material: The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Breakthrough time (maximum wearing time): 480 min.

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### Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.  
Do not breathe gas/vapour/aerosol.

### Other protection measures:

Protective clothing: Take off immediately all contaminated clothing.

General health and safety measures:

The usual precautionary measures are to be adhered to when handling chemicals.

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Avoid contact with eyes and skin.

Keep away from food, drink and animal feedingstuffs.

### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** liquid

**Colour:** white - whitish

**Odour:** characteristic

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>	20 °C		
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	100 °C			pressure: 1013 hPa
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	<i>not determined</i>			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1 g/cm <sup>3</sup>	20 °C	DIN 51757	
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	1,000	25 °C		
Kinematic viscosity	<i>not determined</i>			

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

not known.

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### 10.4. Conditions to avoid

not known.

### 10.5. Incompatible materials

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

### 10.6. Hazardous decomposition products

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 toxicological effects

CAS No.	Substance name	Toxicological information
GESIO 0-00-5	Polydimethylsiloxan (PDMS)	<b>LD<sub>50</sub> oral:</b> 5,000 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> 10,000 mg/kg (Rabbit) <b>LC<sub>50</sub> inhalative:</b> 535 mg/m <sup>3</sup> 1 h (Rat)

#### Acute oral toxicity:

No risks worthy of mention.

#### Acute dermal toxicity:

No risks worthy of mention.

#### Acute inhalation toxicity:

No risks worthy of mention.

#### Skin corrosion/irritation:

Frequently or prolonged contact with skin may cause dermal irritation.

#### Respiratory or skin sensitisation:

No information available.

#### Germ cell mutagenicity:

No information available.

#### Carcinogenicity:

No information available.

#### Reproductive toxicity:

No information available.

#### STOT-single exposure:

No information available.

#### STOT-repeated exposure:

No information available.

#### Aspiration hazard:

No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Aquatic toxicity:

Acute (short-term) fish toxicity

Leuciscus idus (golden orfe): LC0: 200 mg/L , 96 h

#### Terrestrial toxicity:

Bacteria toxicity

Pseudomonas putida: EC0: > 10.000 mg/L

#### Effects in sewage plants:

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

#### Additional ecotoxicological information:

Do not allow to enter into surface water or drains.

Drinking water endangering by the penetration of bigger amounts in subsoil and waters possibly!

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### 12.2. Persistence and degradability

#### Abiotic degradation:

The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

#### Biodegradation:

Poorly biodegradable.

#### Additional information:

Further ecological information: According to the present state of knowledge negative ecological effects are not expected.

### 12.3. Bioaccumulative potential

#### Accumulation / Evaluation:

No indication of bioaccumulation potential.

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
GESI00-00-5	Polydimethylsiloxan (PDMS)	—

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Send to a hazardous waste incinerator facility under observation of official regulations. Do not allow to enter into surface water or drains.

#### Waste treatment options

##### Appropriate disposal / Package:

Non-contaminated packages may be recycled. Dispose according to legislation. Water (with cleaning agent)

### 13.2. Additional information

No data available

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

### 14.6. Special precautions for user

not relevant

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU legislation

No data available

##### 15.1.2. National regulations

##### [DE] National regulations

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

##### Source:

Anh. 4

#### 15.2. Chemical Safety Assessment

No data available

#### 15.3. Additional information

No data available

### SECTION 16: Other information

#### 16.1. Indication of changes

No data available

#### 16.2. Abbreviations and acronyms

No data available

#### 16.3. Key literature references and sources for data

No data available

#### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

##### Classification according to Regulation (EC) No 1272/2008 [CLP]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

No data available

#### 16.6. Training advice

No data available

#### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.