

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

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

### 1.1 Product identifier

Defoamer with silicone

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

#### Relevant identified uses

PC 0.10 - Defoamer

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

Bio-Circle Surface Technology GmbH

**Street :** Berensweg 200

**Postal code/city :** 33334 Gütersloh

**Telephone :** +49 5241 9443 0

**Telefax :** +49 5241 9443 44

**Information contact :** labor@bio-circle.de

### 1.4 Emergency telephone number

+49 5241 9443 51 during normal office hours

(Monday to Thursday from 8 am to 4 pm and Friday from 8 am to 3 pm)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

None

### 2.2 Label elements

None

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

None

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

No special measures are necessary.

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

In case of inhaling spray mist, consult a physician. Provide fresh air.

#### In case of skin contact

Wash immediately with: Water and soap

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

## After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

No known symptoms to date.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water Foam Extinguishing powder Sand

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

None

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4 Additional information

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

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

Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Special danger of slipping by leaking/spilling product.

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and 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.

The contaminated area should be cleaned up immediately with: Wash with plenty of water.

### 6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep container tightly closed.

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

Keep/Store only in original container. Protect against Frost

#### Hints on joint storage

Storage class (TRGS 510) : 12

### 7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

## 8.1 Control parameters

None

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection



Wear suitable safety goggles in case of splash.

#### Suitable eye protection

EN 166.

#### Skin protection

##### Hand protection



Wear protective gloves in case of longer lasting skin contact.

**Suitable gloves type** : EN 374.

**Suitable material** : NBR (Nitrile rubber)

**Breakthrough time (maximum wearing time)** : 480 min.

**Thickness of the glove material** : 0.4 mm

**Remark** : The exact break trough time has to be requested from the protective glove manufacturer and limits has to be ensured.

#### Respiratory protection

Usually no personal respirative protection necessary.

#### General information

Do not put any product-impregnated cleaning rags into your trouser pockets. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

## 8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance** : Liquid

**Colour** : white

**Odour** : characteristic

#### Safety characteristics

**Solidifying point** : ( 1013 hPa ) approx. 0 °C

**Initial boiling point and boiling range** : ( 1013 hPa ) approx. 100 °C

**Flash point** : not relevant

**Auto-ignition temperature** : not relevant

**Lower explosion limit** : not relevant

**Upper explosion limit** : not relevant

**Vapour pressure** : ( 50 °C ) not applicable

**Density** : ( 20 °C ) approx. 1 g/cm<sup>3</sup>

**Solvent separation test** : ( 20 °C ) not applicable

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

Water solubility :	( 20 °C )	completely miscible	
pH :		approx. 4,5	
Flow time :	( 20 °C )	not applicable	DIN-cup 4 mm
Maximum VOC content (EC) :		0	Wt %
Maximum VOC content (Switzerland) :		0	Wt %

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

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

#### Corrosion

##### Skin corrosion/irritation

No further relevant information available.

##### Serious eye damage/eye irritation

No further relevant information available.

#### Respiratory or skin sensitisation

##### Skin sensitisation

No further relevant information available.

##### Sensitisation to the respiratory tract

No further relevant information available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

No further relevant information available.

##### Germ cell mutagenicity

No further relevant information available.

##### Reproductive toxicity

No further relevant information available.

#### STOT-single exposure

No further relevant information available.

#### STOT-repeated exposure

No further relevant information available.

#### Aspiration hazard

No further relevant information available.

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

## 11.2 Information on other hazards

### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

### Other adverse effects

No information available.

### Additional information

Preparation not tested. The statement is derived from the properties of the single components.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge. Before discharge into sewage plants the product normally needs to be neutralised.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

The waste codes are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.

### 13.1 Waste treatment methods

#### Directive 2008/98/EC (Waste Framework Directive)

Before intended use

Waste codes/waste designations according to EWC/AVV

07 06 01\* - aqueous washing liquids and mother liquors

### 13.2 Additional information

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

No dangerous good in sense of these transport regulations.

#### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

#### 14.6 Special precautions for user

None

### SECTION 15: Regulatory information

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

##### National regulations

AT: Labelling according to Austrian regulations (Chemikaliengesetz/ChemV).

CH: Chemikalienverordnung (ChemV) and Chemikalien-Risikoreduktions-Verordnung (Chem RRV) are complied.

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class (WGK)

Classification according to VwVwS - Class : 1 (Slightly hazardous to water)

#### 15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### 16.1 Indication of changes

15. Technische Anleitung Luft (TA-Luft)

#### 16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)

AOX: adsorbierbare organisch gebundene Halogene

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)

CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)

EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung

ECHA: Europäische Chemikalienagentur (European Chemicals Agency)

EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)

GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classification and Labelling of Chemicals)

IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)

ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)

IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)

RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Règlement concernant le transport international ferroviaire de marchandises dangereuses)

TRGS: Technische Regel für den Umgang mit Gefahrstoffen

VbF: Verordnung über brennbare Flüssigkeiten

VOC: flüchtige organische Verbindung (volatile organic compound)

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

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

DGUV: GESTIS-Stoffdatenbank

ECHA: Classification And Labelling Inventory

ECHA: Pre-registered Substances

ECHA: Registered Substances

EC Safety Data Sheet of Suppliers

ESIS: European Chemical Substances Information System

# Safety Data Sheet

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



Trade name : Defoamer with silicone  
Revision date : 28.01.2020  
Print date : 10.08.2021

Version (Revision) : 1.1.1 (1.1.0)

---

GDL: Gefahrstoffdatenbank der Länder  
UBA Rigoletto: Wassergefährdende Stoffe  
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council  
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

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

No information available.

**16.5 Relevant H- and EUH-phrases (Number and full text)**

**16.6 Training advice**

None

**16.7 Additional information**

None

---

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.

---