

# Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
Version 3.0, Revision Date: 13.10.2017



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## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product name: **ibidi Anti-Evaporation Oil**  
Product number: 50051  
REACH No.: A registration number is not available for this mixture as the mixture or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: For research use only

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

Company: **ibidi GmbH**  
Am Klopferspitz 19  
82152 Martinsried  
Germany  
Telephone: +49-89-5204617-0  
Fax: +49-89-5204617-59  
E-mail address: [msds@ibidi.de](mailto:msds@ibidi.de)

### 1.4 Emergency telephone number

Emergency Phone: +49-89-5204617-0  
(Business hours from Monday till Friday between 8 am and 5 pm (UTC+1h))

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## 2 HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### 2.3 Other hazards

No data available.

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## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### **Chemical characterization**

Polysiloxane

#### **Hazardous ingredients**

This material does not contain any reportable hazardous ingredients.

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## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

#### ***If inhaled***

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If necessary seek medical advice.

#### ***In case of skin contact***

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. In case of skin reactions, consult a physician.

#### ***In case of eye contact***

Remove contact lenses. Immediately flush eyes with plenty of flowing water for at least 20 minutes, also under the eyelids. If necessary seek medical advice.

#### ***If swallowed***

Do NOT induce vomiting unless directed to do so by medical personal. Never give anything by mouth to an unconscious person. Rinse mouth with water. If malaise develops, call a physician.

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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

no data available

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## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

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

Water mist, extinguishing powder, alcohol-resistant foam, carbon dioxide, sand

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

Water jet

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

Risk of hazardous gasses of fumes in the event of fire. Exposure to combustion products may be a health hazard.

#### ***Hazardous combustion products***

Carbon oxides, silicone oxides, incompletely burnt hydrocarbons, 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.

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## 6 ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8. If material is released indicate risk of slipping. Do not walk through spilled material.

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## 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## 6.3 Methods and material for containment and cleaning up

Absorb with a neutral (non-acid / non-basic) liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner.

## 6.4 Reference to other sections

For disposal see section 13.

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## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Use personal protective equipment. Avoid formation of aerosols. Spilled substance increases risk of slipping.

### 7.2 Conditions for safe storage, including incompatibilities

Keep in properly labeled containers.  
Keep container tightly closed. Store in a dry and cool place.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

**Components with workplace control parameters**

### 8.2 Exposure controls

#### ***Appropriate engineering control***

Handle in accordance with good laboratory hygiene and safety practice.

#### ***Personal protective equipment***

##### *Eye protection*

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### *Skin protection*

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with the product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practice. Wash and dry hands.  
Recommendation: Protective gloves made of butyl rubber or nitrile rubber.

##### *Body protection*

Wear lightweight protective clothing.

##### *Respiratory protection*

No special protective equipment required.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: liquid Color: colorless
b) Odor	odorless
c) Odor Threshold	not available
d) pH	approx. 7
e) Melting point/melting range	approx. -38 °C
f) Boiling point/boiling range	not applicable
g) Flash point	> 285 °C (ISO 2592)
h) Ignition temperature	approx. 390 °C (DIN 51794)
i) Lower explosion limit (LEL)	not applicable
j) Upper explosion limit (UEL)	not applicable
k) Vapor pressure	not determined
l) Density	approx. 1.04 g/cm <sup>3</sup> at 25 °C, at 1013 hPa (DIN 51757)
m) Water solubility/miscibility	virtually insoluble at 20 °C
n) Solubility in organic solvent	totally miscible with common organic solvents
o) Viscosity (dynamic)	190 – 210 mPa*s at 25 °C (DIN 51562)
p) Viscosity (kinematic)	approx. 200 mm <sup>2</sup> /s at 25 °C (DIN 51562)

### 9.2 Other information

Thermal decomposition > 350 °C

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## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

Product is stable under normal storage conditions and if used according to specifications.

### 10.2 Chemical stability

Product is stable under normal storage conditions and if used according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use, handling and storage.

### 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. Measurements have shown the formation of small amounts of benzene at temperatures above about 180°C. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C through oxidation.

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## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### **Acute toxicity**

*Product details:*

Route of exposure	Results/Effects	Species/Test system	Source
oral	LD <sub>50</sub> : > 2000 mg/kg	rat	Conclusion by analogy
dermal	LD <sub>50</sub> : > 2000 mg/kg	rat	Conclusion by analogy

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

*Product details:*

Results/Effect	Species/Test system	Source
not irritating Product displays good compatibility with the skin.	rabbit Human skin patch test; Voluntary persons, 24 h	Conclusion by analogy

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

*Product details:*

Results/Effect	Species/Test system	Source
not irritating	rabbit	Conclusion by analogy

#### **Respiratory or skin sensitization**

*Product details:*

Route of exposure	Results/Effects	Species/Test system	Source
dermal	not sensitizing	Guinea-pig; Magnusson-Kligman	Conclusion by analogy OECD 406

#### **Germ cell mutagenicity**

*Product details:*

Results/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	Conclusion by analogy OECD 471

#### **Carcinogenicity**

*Assessment:*

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

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## **Reproductive toxicity**

### *Assessment:*

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

## **Specific target organ toxicity – single exposure**

### *Assessment:*

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

## **Specific target organ toxicity – repeated exposure**

### *Product details:*

Results/Effect	Species/Test system	Source
NOAEL: 1000 mg/kg	Rat oral	Conclusion by analogy OECD 407

## **Aspiration hazard**

### *Assessment:*

In case an aspiration hazard is based on ingredients, this can be seen from the classification and labeling of the whole product.

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## **12 ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

#### *Assessment:*

Evaluation in analogy to similar products. No expected damaging effects to aquatic organism. According to current knowledge adverse effects on water purification plants are not expected.

### **12.2 Persistence and degradability**

#### *Assessment:*

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

### **12.3 Bioaccumulative potential**

#### *Assessment:*

Bioaccumulation is not expected to occur.

### **12.4 Mobility in soil**

#### *Assessment:*

Polymer component: insoluble in water. Adsorbs on soil.

### **12.5 Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Other adverse effects**

None known

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## **13 DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.



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## ***Further Information***

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as guide. All materials and mixtures may present unknown hazards and should be used with caution. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.