

Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006
Version 1.0, Revision Date: 21.08.2024



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

1.1 Product identifier

Product name: ibidi Immersion Oil 2
Product number: 50102
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
Lochhamer Schlag 11
82166 Gräfelfing
Germany
Telephone: +49-89-5204617-0
Fax: +49-89-5204617-59
E-mail address: 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))

2 HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

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

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008

This product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards

None


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3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixture

Hazard components according to regulation (EC) No 1272/2008:

Component	Classification	Pictogram	Concentration
Aliphatic and Alicyclic Hydrocarbons			
Registration Number REACH: - CAS-No.: - EC-No.: -	Asp. Tox. 1, H304		60-80%

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. Consult a physician.

In case of skin contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing and shoes before reuse. Consult a physician.

In case of eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

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. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Gastric or intestinal disorders when ingested.

4.3 Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Foam, Fire-extinguishing powder, Gaseous extinguish agents, Carbon dioxide, Water fog/haze

Extinguishing media which must not be used for safety reasons

Water steam, Water spray

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

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5.3 Advice for firefighters

Wear self-contained breathing apparatus and fully protective suit.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Do not allow to enter sewers /surfaces or ground water. Prevent from spreading.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomite, acid binders, universal binder, sawdust). Remove from the water surface.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid splashes or spray in enclosed areas. Avoid breathing dust, vapors, or spray.

7.2 Conditions for safe storage, including incompatibilities

Avoid storage near extreme heat, ignition sources or open flame. Store in a well-ventilated place. Keep in properly labeled containers. Keep container tightly closed. Store away from oxidizers, strong acids and strong bases. Storage Temperature 18 - 32 °C

7.3 Specific end use(s)

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

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 safety glasses with side-shields conforming to EN 166. 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.

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Body protection

Wear lightweight protective clothing.

Respiratory protection

No special protective equipment required.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Liquid
b) Odor	Color: colorless
c) Odor Threshold	Slight, Characteristic
d) pH	not available
e) Melting point/Freezing point	not applicable
f) Initial boiling point and boiling range	not determined
g) Flash point	not determined
h) Evaporation rate	170°C
i) Flammability (solid, gas)	not available
j) Upper/lower flammability or explosive limits	not available
k) Vapor pressure	66.66 Pa
l) Vapor density at 23°C	≥ 1.0 (Air = 1)
m) Relative density at 25°C	< 1 (water = 1)
n) Water solubility	Not miscible or difficult to mix
o) Partition coefficient: n-octanol/water	not determined
p) Auto-ignition temperature	not determined
q) Decomposition temperature	not determined
r) Viscosity	
Dynamic at 23°C	700 cSt
Kinematic at 40°C	>25.5 mm ² /sec
s) Explosive Properties	not determined
t) Oxidizing properties	not available

9.2 Other information

No further relevant information available

10 STABILITY AND REACTIVITY

10.1 Reactivity

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
Reacts with strong oxidizing agents.
Reacts with strong acids and alkali.

10.4 Conditions to avoid

Excessive heat.
Store away from oxidizing agents.

10.5 Incompatible materials

Oxidizers, strong bases, strong acids

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10.6 Hazardous decomposition products

Under fire conditions only: carbon monoxide and carbon dioxide

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

no data available

Reproductive toxicity

no data available

Specific target organ toxicity – single exposure

no data available

Specific target organ toxicity – repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

no data available

Signs and Symptoms of Exposure

no data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

The product is partially biodegradable. Significant residues remain.

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

12.4 Mobility in soil

no data available

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12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous good

IMDG: Not dangerous good

IATA: Not dangerous good

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex of MARPOL73/78 and the IBC Code

no data available

15 REGULATORY INFORMATION

This material safety datasheet complies with the requirements of Regulation (EC) No 1907/2006.

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

EU regulation

This material safety datasheet complies with the requirements of Regulation (EC) No 1907/2006.

U.S. Federal Regulations

TSCA inventory: This product is being sent to you as a Research and Development product as defined by the Toxic Substances Act (TSCA) of 1976. Due to TSCA's R&D exemption, this product is not listed on the U.S. EPA's Toxic Substances Control Act (TSCA's) inventory. As a TSCA exempt R&D substance, this product must be used by or directly under the supervision of a technically qualified individual(s) as defined by TSCA. This product must not be used for commercial purposes or in formulations used for commercial purposes.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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16 OTHER INFORMATION

Full text of H-statements

H304 May be fatal if swallowed and enters airways.

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
PBT	persistent, bioaccumulative, toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations Concerning the International Carriage of Dangerous Goods by Rail
vPvB	Very persistent, very bioaccumulative

The particulars given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on the latest state of our knowledge and information. In particular, they serve the purpose of describing our product under the aspect of hazards caused by such product and pertaining safety actions. They do not constitute any guarantee of product quality and/ or quality features. The particulars given in this Material Safety Data Sheet are not required in accordance with article 31 and annex II of the Regulation (EC) No 1907/2006. They merely serve the purpose of providing sufficient information on the voluntary basis with a view to ensure the safe utilization of such substance/mixture/product.