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

1.1 Product identifier

Product name:	ibidi Freezing Medium Classic
Product number:	80021, 80022, 80023
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

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

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

none

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

No components need to be disclosed according to the applicable regulations.

	Classification	Concentration		
DMSO (Methyl sulfoxide / Dimethyl sulfoxide)				
CAS-No.: 67-68-5 EC-No.: 200-664-3	-	1-10%		

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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

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water-spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture no data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

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.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Dilute spilled liquid with plenty of water. Wipe up with absorbent material.

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** Avoid inhalation of vapor or mist. For precautions see section 2.2.
- **7.2** Conditions for safe storage, including incompatibilities Keep in properly labeled containers. Keep container tightly closed. Store in a cool place (2-8°C).
- **7.3** Specific end use(s) Refer to the instruction for proper and intended use.

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. The glove material has to be impermeable and resistant to the product. 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.

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
- b) Odor
- c) Odor Threshold
- d) pH
- e) Melting point/Freezing point
- f) Initial boiling point and boiling range
- g) Flash point
- h) Evaporation rate
- i) Flammability (solid, gas)
- j) Upper/lower flammability or explosive limits

Form: Liquid, clear Color: colorless no data available no data available

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- k) Vapor pressure
- I) Vapor density
- m) Relative density
- n) Water solubility
- o) Partition coefficient: n-octanol/water
- p) Auto-ignition temperature
- q) Decomposition temperature
- r) Viscosity
- s) Explosive Properties
- t) Oxidizing properties

no data available no data available miscible no data available no data available

9.2 Other information

no data available

10 STABILITY AND REACTIVITY

- 10.1 Reactivity no data available
- **10.2** Chemical stability Product is stable under normal storage conditions and if used according to specifications.
- **10.3 Possibility of hazardous reactions** no data available
- **10.4 Conditions to avoid** Heat, flames and sparks.
- **10.5** Incompatible materials no data available
- **10.6 Hazardous decomposition products** no data availabe

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

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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 no data available
- **12.3 Bioaccumulative potential** no data available
- 12.4 Mobility in soil no data available
- 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: 14.1 UN proper shipping name ADR/RID: Not dangerous good IMDG:

ibidi GmbH - ibidi Freezing Medium Classic

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	IATA:	Not dangerous good		
14.3	Transpo ADR/RID	rt hazard class(es) ∷ -	IMDG: -	IATA: -
14.4	Packing ADR/RID	• •	IMDG: -	IATA: -
14.5	Environ ADR/RID	nental hazards : no	IMDG Marine pollutant: no	IATA: no
14.6	Special p no data a	precautions for user		
14.7	Transport in bulk according to Annex of MARPOL73/78 and the IBC Code no data available			

15 REGULATORY INFORMATION

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.

16 OTHER INFORMATION

Abbreviations and acronyms

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

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.