

## Safety Data Sheet

FreezeMe ZERO DMSO-free Cryopreservation Medium for Cell Lines sterile-filtered

According to Regulation (EC) No. 1907/2006 (REACH) and 2020/878

Date of compilation 29.01.2026

Revision date -

Version 001/01.2026

Replaces version of -

### Section 1

#### Identification of the Substance/Mixture and of the Company/Undertaking

##### Product Identifiers

Product name: FreezeMe ZERO DMSO-free Cryopreservation Medium for Cell Lines sterile-filtered

Catalogue No: FMZ-50ML (50 ml), 5-FMZ-10ML (5 x 10 ml), FMZ-10ML (10 ml)

REACH No. A registration number is not available for this substance as the substance 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.

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

Identified uses: For research and further manufacturing use only.  
Not for therapeutic use. Not for use on human subjects.

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

Company: Capricorn Scientific GmbH  
Auf der Lette 13 A  
35085 Ebsdorfergrund  
Germany

Phone: +49 6424 94464 0

E-Mail: info@capricorn-scientific.com

Website: www.capricorn-scientific.com

##### Emergency telephone number

Emergency Phone: +49 6424 94464 0 (on workdays, Mon. to Fri. from 8:00 – 16:00 h CET/CEST).

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### Section 2 Hazards Identifications

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#### Classification of the substance or mixture

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

#### Label elements

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

#### Other hazards

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

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### Section 3 Composition/Information on Ingredients

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#### Mixtures

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

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### Section 4 First Aid Measures

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#### Description of first aid measures

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled** Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

No data available

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### Section 5 Firefighting Measures

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### Extinguishing media

#### Suitable extinguishing media

Use water spray, dry chemical, foam, carbon dioxide.

### Special hazards arising from the substance or mixture

No data available

### Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

### Further information

No data available

## Section 6

## Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### Reference to other sections

For disposal see section 13

## Section 7

## Handling and Storage

### Precautions for safe handling

For precautions see section 2.

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature +2°C to +8°C.

Protect from light.

### Storage class

Storage class (TRGS 510): 12: Non-Combustible Liquids

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### Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

## Section 8

## Exposure Controls/Personal Protection

### Control parameters

Occupational exposure limits: This product contains no substances with occupational exposure limit values.

### Exposure controls

Personal protective equipment

### Eye/face protection

Safety glasses with side-shields conforming to EN166 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 this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

#### Full contact

Material: Chloroprene

Minimum layer thickness: 0,6 mm

Break through time: 480 min

#### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,2 mm

Break through time: 30 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

### Body protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the

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sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Do not let product enter drains.

## Section 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

Physical state	liquid
Color	colorless to light yellow
Odour	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or exposure limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity (kinematic/dynamic)	No data available
Explosive properties	No data available
Oxidizing properties	No data available
<b>Other safety information</b>	No data available

## Section 10

## Stability and Reactivity

### Reactivity

No hazardous reactions under normal conditions

### Chemical stability

The product is chemically stable under recommended storage conditions.

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### Possibility of hazardous reactions

No polymerization occurs.

### Conditions to avoid

Direct sunlight, extreme temperatures, incompatible materials.

### Incompatible materials

Strong acids, bases, oxidizers, reducers, halides, metal salts

### Hazardous decomposition products

No hazardous decomposition under normal use. In the event of fire: see section 5.

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## Section 11

## Toxicological Information

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### Information on toxicological effects

#### Mixture

#### Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/irritation

No data available

#### Respiratory or skin sensitisation

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

### Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## Section 12

## Ecological Information

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#### Toxicity

No data available

#### Persistence and degradability

No data available

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

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### Results of PBT and vPvB assessment

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

Other adverse effects No data available

## Section 13

### Disposal Considerations

#### Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

##### Contaminated packaging

Dispose of as unused product.

## Section 14

### Transport Information

In accordance with ADR / RID / IMDG / IATA

ADR/RID	IMDG	IATA
<b>UN number</b>		
-	-	-
<b>UN proper shipping name</b>		
Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>Transport hazard classes</b>		
-	-	-
<b>Packaging group</b>		
-	-	-
<b>Environmental hazards</b>		
no	Marine pollutant: no	no

**Special precautions for user** Not classified as dangerous in the meaning of transport regulations.

**Maritime transport in bulk according to IMO Instruments** No data available

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### Section 15

### Regulatory Information

This Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

#### Chemical Safety Assessment

No data available

### Section 16

### Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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.

#### Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;  
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road;  
AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight;  
CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation;  
DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing & New Chemical Substances (Japan);  
ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice;  
IARC - International Agency for Research on Cancer; IATA - International Air Transport Association;  
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;  
IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization;  
IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods;  
IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan);  
ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory;  
LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);  
MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified;  
NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level;  
NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals;  
OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention;  
PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances;  
(Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals;  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature;  
SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory;  
TSCA - Toxic Substances Control Act (United States); UN - United Nations;  
UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative