

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023
Revision date 27.11.2023
Version 003/11.2023
Replaces version of 12.10.2023 (002/10.2023)

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

Product Identifiers

Product name: SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

Catalogue No: DMEM-SIL-500ML

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 Use Only. Not for use in diagnostic procedures.

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

Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

Section 2 Hazards Identifications

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.

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023
Revision date 27.11.2023
Version 003/11.2023
Replaces version of 12.10.2023 (002/10.2023)

Section 3 Composition/Information on Ingredients

Mixtures

No components need to be disclosed to the applicable regulations.

Section 4 First Aid Measures

Description of first aid measures

If inhaled No special precautions required. Consult a physician if necessary.

In case of skin contact Wash with plenty of water and soap as a precaution. If skin irritation persists, consult a physician.

In case of eye contact Immediately flush eyes with plenty of water. Remove contact lenses. If eye irritation persists, consult a specialist.

If swallowed Not expected to be present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Notes to Physician Treat symptomatically.

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.

Section 5 Firefighting Measures

Extinguishing media

Suitable extinguishing media

Water spray, Carbon dioxide (CO₂), Dry chemicals, Foam

Unsuitable extinguishing media

No data available.

Special hazards arising from the substance or mixture

No hazardous combustions products are known.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

Further information

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023

Revision date 27.11.2023

Version 003/11.2023

Replaces version of 12.10.2023 (002/10.2023)

Use water spray to cool unopened containers.

Section 6 Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains and soak up with inert absorbent material. Clean up affected area.

Reference to other sections

For disposal see section 13

Section 7 Handling and Storage

Precautions for safe handling

For precautions see section 2. No special handling advice are necessary.

Conditions for safe storage, including any incompatibilities

Storage conditions

Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Storage stability

Recommended storage temperature 2 – 8 °C.

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

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023
 Revision date 27.11.2023
 Version 003/11.2023
 Replaces version of 12.10.2023 (002/10.2023)

Exposure controls

Personal protective equipment

Eye/face protection

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

Skin protection

Choose body protection according to the amount and concentration of the dangerous substance at the workplace. No special protective equipment required.

Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriated government standards.

Control of environmental exposure

Handle in accordance with good industrial hygiene and safety practice. No special environmental precautions required.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Form: liquid
Odor	No data available.
pH	7.0 – 7.6
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: no data available Dynamic: no data available
Explosive properties	No data available.
Oxidizing properties	None
Other safety information	No data available

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023
Revision date 27.11.2023
Version 003/11.2023
Replaces version of 12.10.2023 (002/10.2023)

Section 10 Stability and Reactivity

Reactivity

No data available.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

Hazardous reaction has not been reported.

Conditions to avoid

Strong oxidizing agents.

Incompatible materials

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

Carbon monoxide, Carbon dioxide.

Section 11 Toxicological Information

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 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.

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023
Revision date 27.11.2023
Version 003/11.2023
Replaces version of 12.10.2023 (002/10.2023)

Section 12 Ecological Information

Toxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.

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

Dispose of in accordance with local regulations.

Safety Data Sheet

SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red

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

Date of compilation 16.01.2023

Revision date 27.11.2023

Version 003/11.2023

Replaces version of 12.10.2023 (002/10.2023)

Section 14 Transport Information

UN-number

ADR/RID: - IMDG: - IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

Further information

Not classified as dangerous in the meaning of transport regulations.

Section 15 Regulatory Information

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

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

Chemical Safety Assessment

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

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.