

Safety Data Sheets for M17096

Product identifiers

Product Code	M17096
Product Name	Lexogen Library Amplification Module

Relevant identified uses of the products

Relevant identified uses	For Research Use Only. Not for use in diagnostic procedures.
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Details of the supplier of the safety data sheets

Company	Lexogen GmbH Campus Vienna Biocenter 5 1030 Vienna Austria
Telephone	+43 1 345 1212 (09:00am – 05:00pm CET, Monday-Friday)
Email Address	support@lexogen.com

Attached documents

D01778MS423V0100	SDS for D01778 PCR Mix, PM
D01770MS424V0100	SDS for D01770 PCR Enzyme Mix, PE

Print information

Print date	28-Jun-2022
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Safety Data Sheet

According to Regulation (EC) 1907/2006

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifiers

Product Code D01778
Product Name PCR Mix, PM
Pure substance/Mixture Mixture

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

Relevant identified uses For Research Use Only. Not for use in diagnostic procedures.
Uses advised against Not for consumer use.

1.3 Details of the supplier of the safety data sheet

Company Lexogen GmbH
Campus Vienna Biocenter 5
1030 Vienna
Austria
Telephone +43 1 345 1212 (09:00am – 05:00pm CET, Monday-Friday)
Email Address support@lexogen.com

1.4 Emergency telephone number

Local Poison Emergency Center Contact Numbers

Austria	+43 1 406 43 43
Australia	131 126
Canada	1 800 332 1414 (Alberta, NW Territories); 1 800 567 8911 (British Columbia); 1 800 268 9017 (Ontario); 1 800 463 5060 (Quebec); 1 866 454 1212 (Saskatchewan);
France	+33 1 40 05 48 48 (Centre antipoison et de toxicovigilance de Paris)
Germany	+49 30 192 40 (Berlin, Institute of Toxicology)
Great Britain	0344 892 0111
Italy	+39 02 6610 1029 (Poison Control Centre Milano)
Netherlands, The	+31 30 274 88 88
United States of America	1 800 222 1222
Spain	+34 915 620 420
Sweden	112 (+46 10 456 6700 in less acute cases)
Switzerland	145 (+41 44 251 66 66 non-urgent inquiry)
South Korea	1855-2221 (The Seoul Poison Center, Help Call)

SECTION 2. Hazards 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

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.

SECTION 3. Composition/information on ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

The product contains no substances which at their given concentration are hazardous to health. We recommend handling all chemicals with caution.

SECTION 4. First aid measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Following inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Following skin contact	Rinse skin with water. Immediate medical attention is not required.
After eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
After ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Not Applicable

4.3 Indication of immediate medical attention and special treatment needed

None.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide. Foam. Dry chemical.

Unsuitable extinguishing media No information available.

5.2 Special hazards arising from the substance or mixture

Not known

5.3 Precautions for fire-fighters

Standard procedure for chemical fires.

5.4 Further information

No data available.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation
Use good laboratory procedures.
Always wear recommended Personal Protective Equipment
See section 8 for more information

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

6.4 Reference to other sections

See section 8 for more information.
See section 13 for disposal.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment as required. No special handling advice is necessary.

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end uses

For research use only. Not for use in diagnostic procedures.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits	Contains no substances with occupational exposure limit values.
Engineering Measures	Ensure adequate ventilation, especially in confined areas.

8.2 Exposure controls

Personal protective equipment

Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin protection	Wear suitable protective clothing.
Hand protection	Wear suitable gloves. Gloves material: Compatible chemical-resistant gloves.

General protective and hygienic measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

No special environmental precautions required.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	liquid
Color	colorless
Odor	No data available
Odor threshold	No data available
Molecular Weight	No data available
pH	No data available
Melting/freezing point	No data available
Boiling point and boiling range	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Specific gravity	No data available
Water solubility	No data available
Partition coefficient: noctanol/water	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information

No data available.

SECTION 10. Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	Not classified. Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Respiratory or skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive Toxicity	Not classified.
Specific target organ toxicity (STOT) – single exposure	Not classified.
Specific target organ toxicity (STOT) – repeated exposure	Not classified.
Aspiration Hazard	Not classified.

11.2 Information on other hazards

No information available.

SECTION 12. Ecological information

12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

Miscible with water.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

No further relevant information available.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Product

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

Contaminated packaging

Dispose of as unused products. Do not reuse empty containers.

SECTION 14. Transport information

14.1 UN-Number

Not Applicable

14.2 UN proper shipping name

Not Applicable

14.3 Transport hazard class(es)

Not Applicable

14.4 Packing group

Not Applicable

14.5 Environmental hazards

Not Applicable

14.6 Special precautions for users

Not Applicable

14.7 Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15. Regulatory information

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

Substance subject to authorization per REACH Annex XIV

None.

Restricted substances under EC 1907/2006, Annex XVII

None.

German Water hazard classes (Wassergefährdungsklassen)

Not classified.

Other International Inventories

No information available.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

SECTION 16. Other information

Indication of changes

Reason for revision	Initial creation in accordance with Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008.
Revision number	1
Revision date	27-Jun-2022
Changes from previous version	Not Applicable

Key literature references and sources for data

ECHA: <https://echa.europa.eu/>
GESTIS: <https://limitvalue.ifa.dguv.de/>
PubChem: <https://pubchem.ncbi.nlm.nih.gov/>
eChemPortal: <https://www.echemportal.org/echemportal/>
NIH ChemIDplus: <https://chem.nlm.nih.gov/chemidplus>

Further 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 regards to appropriate safety precautions. All substances and mixtures may present unknown hazards and should be used with caution. Lexogen shall not be held liable for any damages or losses resulting from improper handling or from contact with the above product. Please see our terms and conditions on our website www.lexogen.com.

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End of safety data sheet.

Safety Data Sheet

According to Regulation (EC) 1907/2006

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifiers

Product Code D01770
Product Name PCR Enzyme Mix, PE
Pure substance/Mixture Mixture

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

Relevant identified uses For Research Use Only. Not for use in diagnostic procedures.
Uses advised against Not for consumer use.

1.3 Details of the supplier of the safety data sheet

Company Lexogen GmbH
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France	+33 1 40 05 48 48 (Centre antipoison et de toxicovigilance de Paris)
Germany	+49 30 192 40 (Berlin, Institute of Toxicology)
Great Britain	0344 892 0111
Italy	+39 02 6610 1029 (Poison Control Centre Milano)
Netherlands, The	+31 30 274 88 88
United States of America	1 800 222 1222
Spain	+34 915 620 420
Sweden	112 (+46 10 456 6700 in less acute cases)
Switzerland	145 (+41 44 251 66 66 non-urgent inquiry)
South Korea	1855-2221 (The Seoul Poison Center, Help Call)

SECTION 2. Hazards 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

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.

SECTION 3. Composition/information on ingredients

We recommend handling all chemicals with caution.

3.1 Substances

Not Applicable

3.2 Mixtures

Hazardous Ingredients

GLYCEROL	Weight-%	Hazard Classification of Pure Ingredients According to EU 1272/2008 CLP/GHS
CAS-No.: 56-81-5 EC-No.: 200-289-5 REACH registration number: 01-2119471987-18-XXXX	50 - 60	Not classified

SECTION 4. First aid measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Following inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Following skin contact	Rinse skin with water. Immediate medical attention is not required.
After eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
After ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Not Applicable

4.3 Indication of immediate medical attention and special treatment needed

None.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray. Carbon dioxide. Foam. Dry chemical.
Unsuitable extinguishing media	No information available.

5.2 Special hazards arising from the substance or mixture

Not known

5.3 Precautions for fire-fighters

Standard procedure for chemical fires.

5.4 Further information

No data available.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Ensure adequate ventilation
Use good laboratory procedures.
Always wear recommended Personal Protective Equipment
See section 8 for more information

6.2 Environmental precautions

Prevent product from entering drains. Do not allow material to contaminate ground water system.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

6.4 Reference to other sections

See section 8 for more information.
See section 13 for disposal.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment as required. No special handling advice is necessary.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

7.3 Specific end uses

For research use only. Not for use in diagnostic procedures.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits

Glycerol CAS-No 56-81-5

US - OSHA	Exp. limit not in effect: 5 mg/m ³ TWA (respirable dust); 15 mg/m ³ TWA (inhalable dust),
Canada (Ontario)	10 mg/m ³
Canada (Québec)	10 mg/m ³

Australia	10 mg/m ³ (inhalable fraction, no asbestos, < 1% crystalline silica)
Czech Rep.	10 mg/m ³ TWA, 15 mg/m ³ Ceiling
Finland	20 mg/m ³
France	10 mg/m ³
Germany (DFG)	200 mg/m ³ TWA (inhalable fraction), exp. factor 2; 400 mg/m ³ STEL
Ireland	10 mg/m ³
Poland	10 mg/m ³
Singapore	10 mg/m ³
South Korea	10 mg/m ³
Spain	10 mg/m ³
Switzerland	50 mg/m ³ TWA, 100 mg/m ³ STEL
United Kingdom	10 mg/m ³ TWA (mist)

Engineering Measures Ensure adequate ventilation, especially in confined areas.

8.2 Exposure controls

Personal protective equipment

Respiratory protection	Under normal conditions, the use of this product should not require respiratory protection.
Eye protection	Safety glasses or chemical goggles should be worn to prevent eye contact.
Skin protection	Wear suitable protective clothing.
Hand protection	Wear suitable gloves. Gloves material: Compatible chemical-resistant gloves.

General protective and hygienic measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains. Do not allow material to contaminate ground water system.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	liquid
Color	pale blue
Odor	No data available
Odor threshold	No data available
Molecular Weight	No data available
pH	No data available
Melting/freezing point	No data available
Boiling point and boiling range	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available

Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Specific gravity	No data available
Water solubility	No data available
Partition coefficient: noctanol/water	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information

No data available.

SECTION 10. Stability and reactivity

10.1 Reactivity

None known.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Glycerol CAS-No 56-81-5

Oral LD50 = 12600 mg/kg Oral (Rat)

Dermal LD50 > 10000 mg/kg (Rabbit)

Inhalation LC50 > 570 mg/m³ (Rat)

Principal Routes of Exposure

Skin corrosion/irritation	Not classified. Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Not classified. Based on available data, the classification criteria are not met.
Respiratory or skin sensation	Not classified. Based on available data, the classification criteria are not met.
Specific target organ toxicity (STOT) – single exposure	Not classified.
Specific target organ toxicity (STOT) – repeated exposure	Not classified.

Carcinogenicity	Not classified.
Germ cell mutagenicity	Not classified.
Reproductive Toxicity	Not classified.
Aspiration Hazard	Not classified.

SECTION 12. Ecological information

12.1 Ecotoxicity

Hazardous to the Aquatic Environment.

Glycerol CAS-No 56-81-5

Toxicity to algae	Freshwater algae EC50 = 2.9 mg/L
Toxicity to daphnia and other aquatic invertebrates	Daphnia magna EC50>500 mg/L (24 h)
Toxicity to fish	LC50 (4 days) 54 g/L
Microtox Data	No data available
Log Pow	logPow-1.76

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Not applicable.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Product

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

Do not empty into drains.

Do not dispose of waste into sewer.

Contaminated packaging

Dispose of as unused products. Do not reuse empty containers.

SECTION 14. Transport information

14.1 UN-Number

Not Applicable

14.2 UN proper shipping name

Not Applicable

14.3 Transport hazard class(es)

Not Applicable

14.4 Packing group

Not Applicable

14.5 Environmental hazards

Not Applicable

14.6 Special precautions for users

Not Applicable

14.7 Maritime transport in bulk according to IMO instruments

Not Applicable

SECTION 15. Regulatory information

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

Substance of Very High Concern

None.

Substance subject to authorization per REACH Annex XIV

None.

Restricted substances under EC 1907/2006, Annex XVII

None.

German Water hazard classes (Wassergefährdungsklassen)

GLYCEROL	Weight-%	Water hazard class (WGK)
CAS-No.: 56-81-5	50 - 60	Hazard class 1 – slightly hazardous to water
EC-No.: 200-289-5		
REACH registration number:		
01-2119471987-18-XXXX		

Other International Inventories

Glycerol CAS-No 56-81-5

EINECS (European Union)	Listed
ELINCS (European List of Notified Chemical Substances)	-
ENCS (Japan)	Listed
PICCS (Philippines)	Listed
AICS (Australia)	Listed
South Korea (KECL)	Listed
Canada (DSL)	Listed
NDSL	-

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

SECTION 16. Other information

Indication of changes

Reason for revision	Initial creation in accordance with Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008.
Revision number	1
Revision date	27-Jun-2022
Changes from previous version	Not Applicable

Key literature references and sources for data

ECHA: <https://echa.europa.eu/>
 GESTIS: <https://limitvalue.ifa.dguv.de/>
 PubChem: <https://pubchem.ncbi.nlm.nih.gov/>
 eChemPortal: <https://www.echemportal.org/echemportal/>
 NIH ChemIDplus: <https://chem.nlm.nih.gov/chemidplus>

Further 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 regards to appropriate safety precautions. All substances and mixtures may present unknown hazards and should be used with caution. Lexogen shall not be held liable for any damages or losses resulting from improper handling or from contact with the above product. Please see our terms and conditions on our website www.lexogen.com.
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End of safety data sheet.