

Safety Data Sheets for M02296

Product identifiers

Product Code	M02296
Product Name	Purification Module with Magnetic Beads

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

D00416MS420V0100	SDS for D00416 Purification Beads, PB
D00198MS421V0100	SDS for D00198 Purification Solution, PS
D00011MS422V0100	SDS for D00011 Elution Buffer, EB

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 D00416
Product Name Purification Beads, PB
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 mixture contains concentrations of azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the build-up of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

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

Hazardous Ingredient(s)	Weight %	Hazard Classification of Pure Ingredients According to EU 1272/2008 CLP/GHS
SODIUM AZIDE CAS-No.: 26628-22-8 EC-No.: 247-852-1 Index-No.: 011-004-00-7	< 0.1	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

See Section 16 for the full text of the H-Statements mentioned in this section.

The product contains no substances which at their given concentration are considered to be hazardous to health.

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

No adverse symptoms or effects have been identified.

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

No special hazards determined.

5.3 Precautions for fire-fighters

Standard procedure for chemical fires.

5.4 Further information

No further relevant information available.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

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

6.2 Environmental precautions

Contain spill to prevent migration.
Do not allow the undiluted product to enter sewer/surface or ground water.
Dispose of contents/container in accordance with local regulations.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Dispose according to local regulations.

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. Use good laboratory procedures. No special handling advice is necessary.

7.2 Conditions for safe storage, including any incompatibilities

To maintain product quality, store according to the instructions in the product labeling.
Keep container tightly closed in a dry, cool and well-ventilated place.
Store away from strong acids, strong bases, strong oxidizers and incompatible materials (see section 10).

7.3 Specific end uses

For research and development use only.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Exposure limits

Sodium Azide CAS-No 26628-22-8

US - OSHA	0,1 ppm (Ceiling limit as HN ₃); 0,3 mg/m ³ (Ceiling limit as NaN ₃) STEL
Canada (Ontario)	0,29 mg/m ³ STEL
Canada (Québec)	0,3 mg/m ³ STEL
Australia	0,1 ppm (Ceiling limit); 0,3 mg/m ³ (Ceiling limit))
Austria	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Belgium	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Denmark	0,1 mg/m ³ TWA; 0,2 mg/m ³ STEL
European Union	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Finland	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
France	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Germany (DFG)	0,2 mg/m ³ TWA; 0,4 mg/m ³ STEL
Hungary	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Italy	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Latvia	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Netherlands, The	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
New Zealand	0,11 ppm STEL; 0,29 mg/m ³ (Ceiling) STEL
Norway	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
PRC	0,3 mg/m ³ STEL
Poland	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Romania	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
South Korea	0,29 mg/m ³ STEL
Spain	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Sweden	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
Switzerland	0,2 mg/m ³ (inhalable aerosol) TWA; 0,4 mg/m ³ (inhalable aerosol) STEL
Turkey	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL
United Kingdom	0,1 mg/m ³ TWA; 0,3 mg/m ³ STEL

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	brown
Transparency	clear with brown precipitate
Odor	odorless
Odor threshold	Not applicable
Molecular Weight	No data available
pH	8.0 – 8.4
Melting/freezing point	No data available
Boiling point and boiling range	No data available
Flash point	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper flammability or explosive limits	Not applicable
Lower flammability or explosive limits	Not applicable
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Specific gravity	≈ 1.127
Water solubility	miscible
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

No further relevant information available.

10.2 Chemical stability

The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions

Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build-up of shock sensitive compounds.

10.4 Conditions to avoid

Avoid contact with incompatible materials.
Avoid exposure to heat and direct sunlight.

10.5 Incompatible materials

Metals and metallic compounds

10.6 Hazardous decomposition products

No decomposition products posing significant hazards would be expected from this product (an aqueous solution).

SECTION 11. Toxicological information

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

Toxicity Data for Hazardous Ingredients

Sodium Azide	Dermal LD50 20 mg/kg (Rabbit)
CAS-No.: 26628-22-8	Oral LD50 27 mg/kg (Rat)

Primary Routes of Exposure

Eye contact, ingestion, inhalation, and skin contact.

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.
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

SECTION 12. Ecological information

12.1 Ecotoxicity

Fresh Water Species

Sodium Azide CAS-No.: 26628-22-8	96 h LC50 Oncorhynchus mykiss: 0.8 mg/L; 96 h LC50 Lepomis macrochirus: 0.7 mg/L; 96 h LC50 Pimephales promelas: 5.46 mg/L [flow-through]
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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

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

12.6 Other adverse effects

This product contains environmentally hazardous substance below the cutoff level. Refer section 3 for ingredient information. Do not allow undiluted product to enter sewer/surface or ground water.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Product

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local 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.

Substances listed under Annex I of Regulation (EC) No 689/2008

None.

Restricted substances under Annex V of Regulation (EC) No 689/2008

None.

Other International Inventories

No information available.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not 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>

Relevant H-statements:

H300	Toxic if swallowed
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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 D00198
Product Name Purification Solution, PS
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

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Australia	131 126
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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

Not Applicable

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

We recommend handling all chemicals with caution.

Hazardous Ingredient(s)	Weight %	Hazard Classification of Pure Ingredients
		According to EU 1272/2008 CLP/GHS
POLYETHYLENE GLYCOL		
CAS-No.: 25322-68-3	40 - 70	Not classified ¹
EINECS-No.: 500-038-2		

1 ... Additionally, the classification provided by companies to ECHA in CLP notifications identifies that this substance may cause respiratory irritation (STOT SE 3, H335).

The product contains no substances which at their given concentration are considered to be hazardous to health.

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

No special hazards determined.

5.3 Precautions for fire-fighters

Standard procedure for chemical fires.

5.4 Further information

No further relevant information 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. Dispose according to local regulations.

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. Use good laboratory procedures. No special handling advice is necessary.

7.2 Conditions for safe storage, including any incompatibilities

To maintain product quality, store according to the instructions in the product labeling.
Keep container tightly closed in a dry, cool and well-ventilated place.

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

Polyethylene Glycol CAS-No 25322-68-3

Austria	TWA: 1000 mg/m ³ (inhalable aerosol); STEL: 4000 mg/m ³ (inhalable aerosol)
Denmark	TWA: 1000 mg/m ³ ; STEL: 2000 mg/m ³
Germany (AGS)	TWA: 200 mg/m ³ (inhalable fraction); STEL: 400 mg/m ³
Germany (DFG)	TWA: 250 mg/m ³ (Average molecular weight 200 – 600, inhalable fraction); STEL: 500 mg/m ³ (Average molecular weight 200 – 600, inhalable fraction)
Switzerland	TWA: 500 mg/m ³

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	Not applicable
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	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper flammability or explosive limits	Not applicable
Lower flammability or explosive limits	Not applicable

Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Specific gravity	No data available
Water solubility	fully miscible
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

No further relevant information available.

10.2 Chemical stability

The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reaction has not been reported.

10.4 Conditions to avoid

None under normal processing.

10.5 Incompatible materials

No dangerous reaction known under conditions of normal use.

10.6 Hazardous decomposition products

No further relevant data available.

SECTION 11. Toxicological information

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

Toxicity Data for Hazardous Ingredients

Polyethylene Glycol CAS-No.: 25322-68-3	28000 mg/kg oral (guinea pig) 28915 mg/kg oral (mouse) 14000 mg/kg oral (rabbit)
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Acute toxicity	There is no evidence available indicating acute toxicity.
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

SECTION 12. Ecological information

12.1 Ecotoxicity

Fresh Water Species

Polyethylene Glycol CAS-No.: 25322-68-3	EC50 for freshwater algae: 100 mg/L
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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

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

12.6 Other adverse effects

No 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.

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)

Polyethylene Glycol 40-70 Weight-% CAS-No.: 25322-68-3	Hazard class (WGK) 1 = slightly hazardous to water
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Other International Inventories

Polyethylene Glycol CAS-No 25322-68-3

EINECS (European Union)	Listed
ENCS (Japan)	Listed
PICCS (Philippines)	Listed
AICS (Australia)	Listed
KECL (South Korea)	Listed
DSL (Canada)	Listed

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not 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 D00011
Product Name Elution Buffer, EB
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

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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

Not Applicable

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

No adverse symptoms or effects have been identified.

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

To maintain product quality, store according to the instructions in the product labeling.

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

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.
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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	fully miscible
Partition coefficient: octanol/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

Hazardous reaction has not been reported.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No dangerous reaction known under conditions of normal use.

10.6 Hazardous decomposition products

No data available.

SECTION 11. Toxicological information

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

Acute toxicity	There is no evidence available indicating acute toxicity.
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

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 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

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

12.6 Other adverse effects

No 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**Substances 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)

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.