



Bioingentech Ltd.
Genetic Engineering

MSDS Bioingentech Genomic DNA Purification Kit

Bioingentech Ltd.

Salas 350, Piso 2, Concepción
Chile.
(056) 41-2790435

Kit components

Product Bioingentech®
Genomic DNA Purification Kit

A793	Cell Lysis Solution	-
A794	Nuclei Lysis Solution	-
A795	Proteinase K	-
A796	RNase A Solution	-
A797	Protein Precipitation Solution	Xi
A798	DNA Rehydration Solution	-

Material Safety Data Sheet

1 Identification of substance

Article number: A793
Application of the substance / the preparation Laboratory chemicals
Manufacturer/Supplier:

Salas 350, piso 2, Concepción
Chile.
(056) 41-2790435

www.bioingentech.com - info@bioingentech.com

2 Composition/Data on components

Mixture of the substances listed below with nonhazardous additions.
Void
For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

Not applicable. Product has been classified as non-hazardous.

The product does not have to be labelled due to the calculation procedure of international guidelines.

The classification was made according to the latest editions of international substances lists, and is expanded upon by company and technical literature data.

Health = 0
Fire = 0
Reactivity = 0

Health = 0
Fire = 0
Reactivity = 0

Not applicable or unknown

Not applicable

4 First aid measures

No special measures required.
Supply fresh air; consult doctor in case of complaints.
Generally the product does not irritate the skin.
Rinse opened eye for several minutes under running water.
If symptoms persist consult doctor.

5 Fire fighting measures

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
No special measures required.

Material Safety Data Sheet

6 Accidental release measures

Not required.
No special measures required.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
No dangerous substances are released.

2

7 Handling and storage

No special measures required.
No special measures required.

No special requirements.
Not required.

None.

8 Exposure controls and personal protection

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the creation were used as basis.

The usual precautionary measures for handling chemicals should be followed.
Not required.

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Goggles recommended during refilling.

Material Safety Data Sheet

9 Physical and chemical properties

	Fluid Colorless Characteristic
	0°C (32°F) 100°C (212°F)
	Not applicable.
	Product is not selfigniting.
	Product does not present an explosion hazard.
	1 g/cm ³
	Not miscible or difficult to mix.
	8.0
	0.0 % 99.2 %
	1.0 %

10 Stability and reactivity

No decomposition if used according to specifications. Dangerous reactions No dangerous reactions known.
No dangerous decomposition products known.

11 Toxicological information

No irritant effect.
Irritating effect.
No sensitizing effects known.

The product is not subject to classification according to internally approved calculation methods for
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Material Safety Data Sheet

12 Ecological information

Generally not hazardous for water
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pHvalue harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

Smaller quantities can be disposed of with household waste.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

14 Transport information

Contact Bioingentech for additional transportation information

15 Regulations

None of the ingredients are listed.

None of the ingredients are listed.

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Material Safety Data Sheet

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Department issuing MSDS:

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Material Safety Data Sheet

1 Identification of substance

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Manufacturer/Supplier:

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2 Composition/Data on components

Mixture of the substances listed below with nonhazardous additions.

1185-53-1 Tris(hydroxymethyl)aminomethane hydrochloride	<2.00%
77-86-1 2-Amino-2-(hydroxymethyl)-1,3-propanediol	<2.00%

For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

Not applicable. Product has been classified as non-hazardous.

The product does not have to be labelled due to the calculation procedure of international guidelines.

The classification was made according to the latest editions of international substances lists, and is expanded upon by company and technical literature data.

Health = 0
Fire = 0
Reactivity = 0

Health = 0
Fire = 0
Reactivity = 0

Not applicable or unknown

Not applicable

4 First aid measures

No special measures required.
Supply fresh air; consult doctor in case of complaints.
Generally the product does not irritate the skin.
Rinse opened eye for several minutes under running water.
If symptoms persist consult doctor.

5 Fire fighting measures

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
No special measures required.

Material Safety Data Sheet

6 Accidental release measures

Not required.
Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
No dangerous substances are released.

2

7 Handling and storage

No special measures required.
No special measures required.

No special requirements.
Not required.

None.

8 Exposure controls and personal protection

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the creation were used as basis.

The usual precautionary measures for handling chemicals should be followed.

Not required.

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Goggles recommended during refilling.

9 Physical and chemical properties

	Fluid Colorless Characteristic
	0°C (32°F) 100°C (212°F)
	Not applicable.
	Product is not selfigniting.

Material Safety Data Sheet

9 Physical and chemical properties (continue)

	Product does not present an explosion hazard.
	1 g/cm ³
	Not miscible or difficult to mix.
	9.0
	0.0 % 96.4 %
	2.0 %

10 Stability and reactivity

No decomposition if used according to specifications. Dangerous reactions No dangerous reactions known.
No dangerous decomposition products known.

11 Toxicological information

No irritant effect.
Irritating effect.
No sensitizing effects known.

The product is not subject to classification according to internally approved calculation methods for

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pHvalue harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

Smaller quantities can be disposed of with household waste.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Material Safety Data Sheet

14 Transport information

Contact Bioingentech for additional transportation information

15 Regulations

None of the ingredients are listed.
None of the ingredients are listed.
All ingredients are listed.

None of the ingredients are listed.
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None of the ingredients are listed.
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Material Safety Data Sheet

15 Regulations (continue)

None of the ingredients are listed.

None of the ingredients are listed.

None of the ingredients are listed.

None of the ingredients are listed.^A

Material Safety Data Sheet

1 Identification of substance

Article number: A795
Application of the substance / the preparation Laboratory chemicals
Manufacturer/Supplier:

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(056) 41-2790435

www.bioingentech.com - info@bioingentech.com

2 Composition/Data on components

Mixture of the substances listed below with nonhazardous additions.
Void
For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

Harmful
system and skin.

Irritating to eyes, respiratory

The classification was made according to the latest editions of international substances lists, and is expanded upon by company and technical literature data.

Health = 1
Fire = 0
Reactivity = 0

Health = 1
Fire = 0
Reactivity = 0

4 First aid measures

No special measures required.
Supply fresh air; consult doctor in case of complaints.
Generally the product does not irritate the skin.
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.
If symptoms persist consult doctor.

5 Fire fighting measures

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Do not inhale explosion gases or combustion gases.

Material Safety Data Sheet

6 Accidental release measures

Not required.
Dilute with plenty of water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
No dangerous substances are released.

2

7 Handling and storage

No special measures required.
No special measures required.

No special requirements.
Not required.

None.

8 Exposure controls and personal protection

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the creation were used as basis.

The usual precautionary measures for handling chemicals should be followed.
Not required.

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Goggles recommended during refilling.

9 Physical and chemical properties

	Fluid Colorless Characteristic
	Undetermined Undetermined
	Not applicable.
	Products does not present an explosion hazard.

Material Safety Data Sheet

9 Physical and chemical properties (continue)

	Not determined
	Fully miscible.

10 Stability and reactivity

No decomposition if used according to specifications.

Reacts with acids, alkalis and oxidizing agents.
No dangerous decomposition products known.

11 Toxicological information

Irritant to skin and mucous membranes.
Irritating effect.

Sensitization possible through inhalation.
Sensitization possible through skin contact.

12 Ecological information

Generally not hazardous for water.

13 Disposal considerations

Smaller quantities can be disposed of with household waste.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.
Water, if necessary with cleansing agents.

Material Safety Data Sheet

14 Transport information

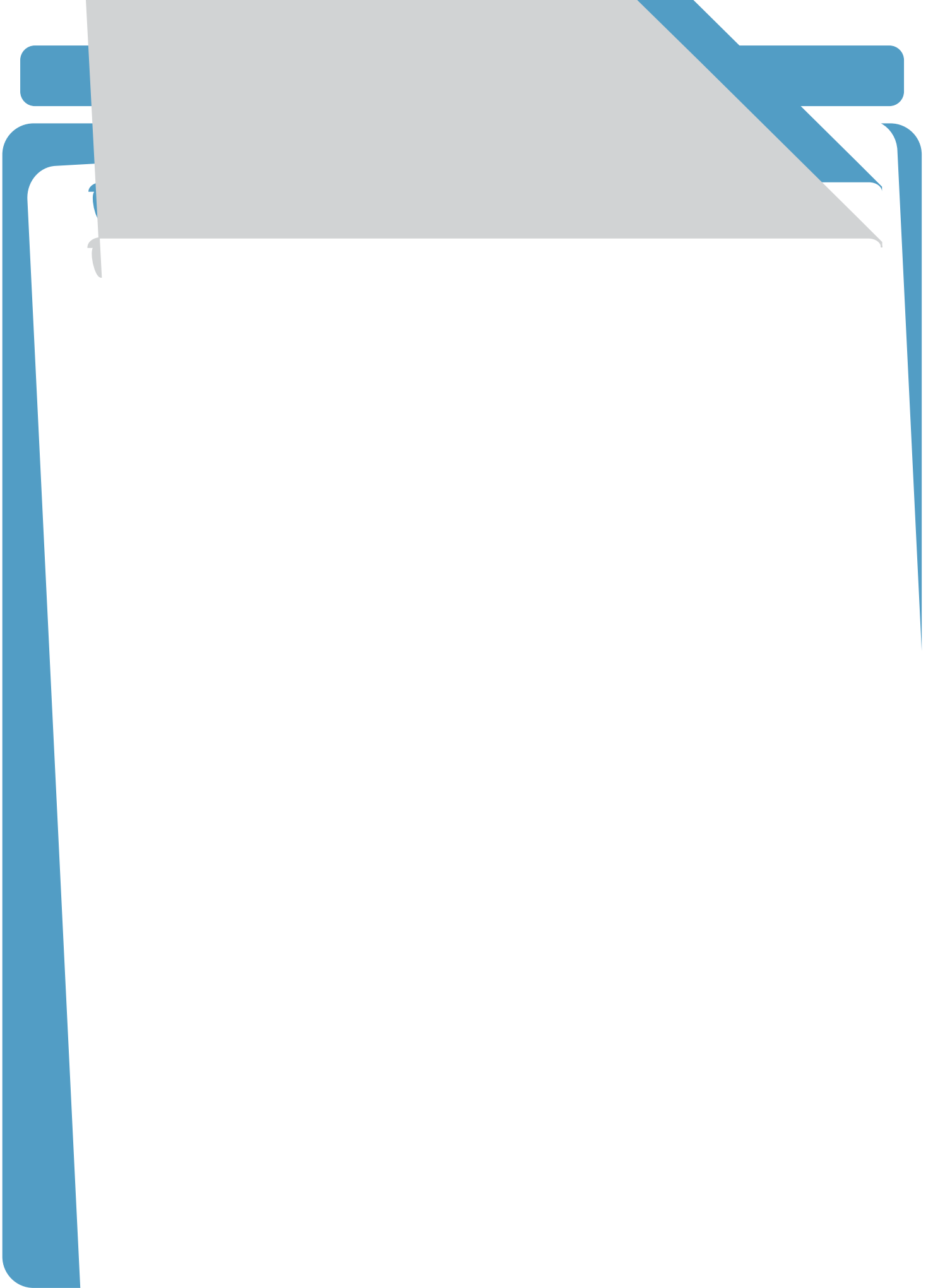
Contact Bioingentech for additional transportation information

15 Regulations

None of the ingredients are listed.
None of the ingredients are listed.
All ingredients are listed.

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None of the ingredients are listed.
None of the ingredients are listed.
None of the ingredients are listed.



Material Safety Data Sheet

6 Accidental release measures

Not required.
Dilute with plenty of water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
No dangerous substances are released.

2

7 Handling and storage

No special measures required.
No special measures required.

No special requirements.
Not required.

None.

8 Exposure controls and personal protection

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the creation were used as basis.

The usual precautionary measures for handling chemicals should be followed.
Not required.

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Goggles recommended during refilling.

9 Physical and chemical properties

	Fluid Colorless Characteristic
	0°C (32°F) 100°C (212°F)
	Not applicable.
	Product is not selfigniting.

Material Safety Data Sheet

9 Physical and chemical properties (continue)

10 Stability and reactivity

No decomposition if used according to specifications. Dangerous reactions No dangerous reactions known.
No dangerous decomposition products known.

11 Toxicological information

No irritant effect.
Irritating effect.
No sensitizing effects known.

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Material Safety Data Sheet

14 Transport information

Contact Bioingentech for additional transportation information

15 Regulations

None of the ingredients are listed.
None of the ingredients are listed.
All ingredients are listed.

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Material Safety Data Sheet

15 Regulations (continue)

None of the ingredients are listed.
None of the ingredients are listed.
None of the ingredients are listed.
None of the ingredients are listed. ^A

Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.

Generally not hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Department issuing MSDS:

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Material Safety Data Sheet

1 Identification of substance

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Application of the substance / the preparation Laboratory chemicals
Manufacturer/Supplier:

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2 Composition/Data on components

Mixture of the substances listed below with nonhazardous additions.

631-61-8 ammonium acetate	50-75%
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For the wording of the listed risk phrases refer to section 15.

3 Hazards identification



Xi Irritant

Irritating to eyes.

The classification was made according to the latest editions of international substances lists, and is expanded upon by company and technical literature data.

Health = 1
Fire = 0
Reactivity = 0

Health = 1
Fire = 0
Reactivity = 0

Irritant

Dermal
Oral

Not applicable or unknown

4 First aid measures

No special measures required.
Supply fresh air; consult doctor in case of complaints.
Generally the product does not irritate the skin.
Rinse opened eye for several minutes under running water.
If symptoms persist, consult a doctor.
If symptoms persist consult doctor.

5 Fire fighting measures

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Material Safety Data Sheet

9 Physical and chemical properties (continue)

	Fluid Colorless Characteristic
	0°C (32°F) 100°C (212°F)
	Not applicable.
	Product is not selfigniting.
	Product does not present an explosion hazard.
	0.776 g/cm ³
	Not miscible or difficult to mix.
	5.2
	0.0 % 30.6 %
	70.0%

10 Stability and reactivity

No decomposition if used according to specifications. Dangerous reactions No dangerous reactions known.
No dangerous decomposition products known.

11 Toxicological information

No irritant effect.
Irritating effect.
No sensitizing effects known.

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

12 Ecological information

Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Material Safety Data Sheet

13 Disposal considerations

Smaller quantities can be disposed of with household waste.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

14 Transport information

Contact Bioingentech for additional transportation information

15 Regulations

None of the ingredients are listed.

None of the ingredients are listed.

All ingredients are listed.

None of the ingredients are listed.

None of the ingredients are listed.

None of the ingredients are listed.

None of the ingredients are listed.

Material Safety

Material Safety Data Sheet

1 Identification of substance

Article number: A798
Application of the substance / the preparation Laboratory chemicals
Manufacturer/Supplier:

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2 Composition/Data on components

Mixture of the substances listed below with nonhazardous additions.
Void
For the wording of the listed risk phrases refer to section 15.

3 Hazards identification

Not applicable. Product has been classified as non-hazardous.

The product does not have to be labelled due to the calculation procedure of international guidelines.

The classification was made according to the latest editions of international substances lists, and is expanded upon by company and technical literature data.

Health = 0
Fire = 0
Reactivity = 0

Health = 0
Fire = 0
Reactivity = 0

Not applicable

Not applicable or unknown

4 First aid measures

No special measures required.
Supply fresh air; consult doctor in case of complaints.
Generally the product does not irritate the skin.
Rinse opened eye for several minutes under running water.
If symptoms persist consult doctor.

5 Fire fighting measures

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
No special measures required.

Material Safety Data Sheet

6 Accidental release measures

Not required.
Do not allow to enter sewers/ surface or ground water.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
No dangerous substances are released.

2

7 Handling and storage

No special measures required.
No special measures required.

No special requirements.
Not required.

None.

8 Exposure controls and personal protection

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

The lists that were valid during the creation were used as basis.

The usual precautionary measures for handling chemicals should be followed.
Not required.

Protective gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Goggles recommended during refilling.

Material S

Material Safety Data Sheet

14 Transport information

Contact Bioingentech for additional transportation information

15 Regulations

None of the ingredients are listed.
None of the ingredients are listed.
All ingredients are listed.

None of the ingredients are listed.
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None of the ingredients are listed.
None of the ingredients are listed.
None of the ingredients are listed.

Material Safety Data Sheet

15 Regulations (continue)

None of the ingredients are listed.
None of the ingredients are listed.
None of the ingredients are listed.
None of the ingredients are listed. ^A

Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations according to directives on hazardous materials.

Generally not hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
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