

NZYMiniprep Article number: 55006

Safety Data Sheets of the following Kit Components:

55006-2	MB010 - Buffer A2
55006-3	MB010 - Buffer A3
55006-5	MB010 - Buffer AY
55006-7	MB010 - RNase A (lyo)

Kit components, according to CLP Regulation (EC) No. 1272/2008 not classified as hazardous (Safety Data sheet is not required.):

55006-1	MB010 - Buffer A1
55006-4	MB010 - Buffer A4
55006-6	MB010 - Buffer AE
55006-8	MB010 - NZYtech Spin columns
55006-9	MB010 - Collecting Tubes

GB

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Revision: 14.02.2025 Printing date 14.02.2025 Version number 1 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier • Trade name: MB10 - Buffer A2 · Article number: 55006-2 · UFI: XF90-U0R8-F008-KFF2 · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Application of the substance / the mixture: Laboratory chemicals \cdot 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: SERVA Electrophoresis GmbH Carl-Benz-Str. 7 D-69115 Heidelberg Tel.: +49 6221 13840-0 FAX: +49 6221 13840-10 msds.info@serva.de · Information department: Security Department Phone: +49 6221 13840-35 · 1.4 Emergency telephone number: Emergency medical information in case of poisoning Poison Information Centre Mainz-Tel: +49 (0) 6131 19240 (Counselling in German and English) **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008: GHS05 Skin Corr. 1B H314 Causes severe skin burns and eye damage. · 2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the GB CLP regulation. · Hazard pictograms: GHS05 · Signal word: Danger · Hazard-determining components of labelling: sodium hydroxide · Hazard statements: H314 Causes severe skin burns and eye damage. · Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. · 2.3 Other hazards · Results of PBT and vPvB assessment: · PBT: PBT - Assessment not available. (Contd. on page 2)

Version number 1 Revision: 14.02.2025 Printing date 14.02.2025

Trade name: MB10 - Buffer A2

· vPvB: vPvB - Assessment not available.

· Determination of endocrine-disrupting properties No further relevant information available.

SECTION 3:	Composition/	nformation	on ingredients
	Composition	1.101 11.011	on ingroutoms

· 3.2 Mixtures

· Description: aqueous solution

· Dangerous components:		
CAS: 151-21-3	sodium dodecyl sulphate	1-3%
EINECS: 205-788-1	♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Aquatic Chronic 3, H412	
CAS: 1310-73-2	sodium hydroxide	0.5-1.5%
EINECS: 215-185-5	♦ Skin Corr. 1A, H314	
Reg.nr.: 01-2119457892-27	Specific concentration limits: Skin Corr. 1A; H314: $C \ge 5$ %	
	<i>Skin Corr.</i> 1 <i>B</i> ; <i>H</i> 314: 2 % ≤ <i>C</i> < 5 %	
	<i>Skin Irrit.</i> 2; <i>H315</i> : 0.5 % ≤ C < 2 %	
	<i>Eye Irrit. 2; H319: 0.5 % ≤ C < 2 %</i>	
· Regulation (EC) No 648/20	04 on detergents / Labelling for contents	

anionic surfactants

• Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:
- Wash off immediately with plenty of soap and water; rinse thoroughly; seek medical attention.
- After eye contact:

Rinse opened eye for several minutes with running water. Remove contact lenses if possible and continue rinsing. Consult an ophthalmologist immediately.

- · After swallowing: Rinse out mouth. Call a doctor immediately. Do not induce vomiting!
- · 4.2 Most important symptoms and effects, both acute and delayed
- *No further relevant information available.*
- \cdot 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. · 5.2 Special hazards arising from the substance or mixture:
- Formation of hazardous vapours and gases possible during heating or in case of fire.
- · 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained breathing apparatus.
- · Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

(Contd. on page 3)

(Contd. of page 1)

<5%

Printing date 14.02.2025

Version number 1

Revision: 14.02.2025

Trade name: MB10 - Buffer A2

(Contd. of page 2)

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
 Particular danger of slipping on leaked/spilled product.
 Ensure adequate ventilation
- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to section 13.
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

- · Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- · Information about storage in one common storage facility: Store away from oxidising agents.
- Further information about storage conditions: Store containers tightly closed and dry.
- 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Components with limit values that require monitoring at the workplace:

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

• Additional information: The lists that were valid during the creation were used as basis.

- Appropriate engineering controls: No further data; see section 7.
- · Individual protection measures, such as personal protective equipment:
- \cdot General protective and hygienic measures:
- The usual precautionary measures should be adhered to when handling chemicals.
- **Breathing equipment:** Short term filter device: Filter P2.
- Hand protection:

Protective gloves.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

• Material of gloves:

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.

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.

^{· 8.2} Exposure controls

(Contd. of page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 14.02.2025	Version number 1	Revision: 14.02.2025

Trade name: MB10 - Buffer A2

· Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

 \cdot For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR Natural rubber, NR

- Eye/face protection: Tightly sealed goggles.
- · Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical p	ronerties
• General Information:	roperties
· Physical state:	Fluid
· Colour:	Colourless
· Odour:	Odourless
• Melting point/freezing point:	No information available
• Boiling point or initial boiling point and boiling	
range:	No information available
· Flammability:	No information available
· Lower and upper explosion limit:	
· Lower:	No information available
· Upper:	No information available
· Flash point:	No information available
• Decomposition temperature:	No information available
$\cdot pH at 20 \circ C$:	12-13
· Viscosity:	
· Kinematic viscosity:	No information available
· Dynamic viscosity:	No information available
· Solubility:	, ,
· Water:	Not determined.
· Partition coefficient n-octanol/water (log value):	No information available
· Vapour pressure:	No information available
· Density and/or relative density:	v
· Density at 20 °C:	1.04 g/cm^3
· Relative density:	No information available
• 9.2 Other information	
· Appearance:	
· Form:	Liquid
• Important information on protection of health and environment, and on safety:	d
· Explosive properties:	Product does not present an explosion hazard.
· VOC %:	0.00 %

SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.

· 10.2 Chemical stability:

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions: No further relevant information available.
- · 10.4 Conditions to avoid: High temperatures

• 10.5 Incompatible materials: Avoid contact with:

strong oxidizers

Printing date 14.02.2025

Version number 1

Revision: 14.02.2025

(Contd. of page 4)

Trade name: MB10 - Buffer A2

Acids

· 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: Based on available data, the classification criteria are not met.
- · Skin corrosion/irritation: Causes severe skin burns and eye damage.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- *Reproductive toxicity:* Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards:

• Endocrine disrupting properties: No relevant information available

SECTION 12: Ecological information

- · 12.1 Toxicity:
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment:
- · **PBT:** PBT assessment not available.
- · vPvB: vPvB assessment not available.
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- · Additional ecological information:
- · General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

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

- · Uncleaned packagings:
- · Recommendation:

Uncleaned packaging must be disposed of in the same way as the product in accordance with official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA

UN3267

· 14.2 UN proper shipping name · ADR

3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (SODIUM HYDROXIDE)

(Contd. on page 6)

GB

Printing date 14.02.2025

Version number 1

Revision: 14.02.2025

Trade name: MB10 - Buffer A2

	(Contd. of page
IMDG, IATA	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S (SODIUM HYDROXIDE)
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
all	
Class:	8 Corrosive substances.
Label:	8
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Warning: Corrosive substances.
Hazard identification number (Kemler code):	80
EMS Number:	F-A, S-B
Segregation groups	(SGG18) Alkalis
Stowage Category	B
Stowage Code	SW2 Clear of living quarters.
Segregation Code	SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
Transaction and a reference of	Maximum net quantity per outer packaging: 500 ml
Transport category Tunnel restriction code	2
1 unnei resiriciion coae	E
IMDG	
Limited quantities (LQ)	
Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC
	N.O.S. (SODIUM HYDROXIDE), 8, II

SECTION 15: Regulatory information

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

· Regulated explosives precursors

- None of the ingredients is listed.
- · Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

(Contd. on page 7)

Printing date 14.02.2025

· Reportable poisons

Version number 1

Revision: 14.02.2025

12% of total caustic alkalinity

(Contd. of page 6)

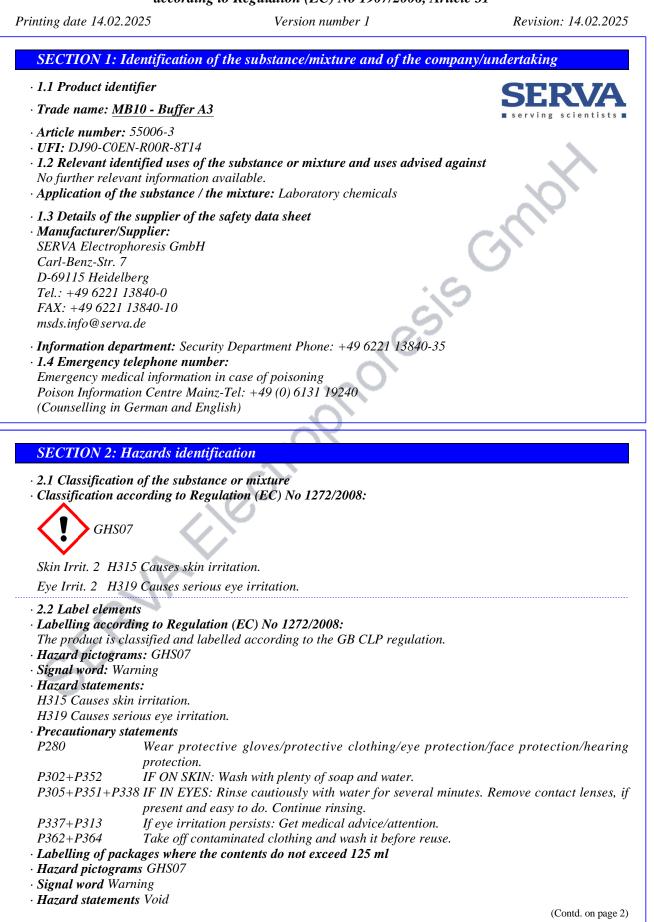
Trade name: MB10 - Buffer A2

1310-73-2 sodium hydroxide

	EGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 IRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical (
ele	ectronic equipment – Annex II
Na	one of the ingredients is listed.
RI	EGULATION (EU) 2019/1148
Re	gulation (EC) No 273/2004 on drug precursors
Na	one of the ingredients is listed.
	gulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community of trade between the Community of
	one of the ingredients is listed.
Ne	ational regulations:
	ater hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water. .2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.
S1	ECTION 16: Other information
Th	is information is based on our present knowledge. However, this shall not constitute a guarantee for ecific product features and shall not establish a legally valid contractual relationship.
Re	elevant phrases
	302 Harmful if swallowed.
	314 Causes severe skin burns and eye damage.
	315 Causes skin irritation.
	318 Causes serious eye damage.
	319 Causes serious eye irritation.
	332 Harmful if inhaled.
	335 May cause respiratory irritation.
H4	412 Harmful to aquatic life with long lasting effects.
	partment issuing SDS: Product Safety Department
	ontact: +49 6221 13840-35
	bbreviations and acronyms: T: persistent, bioaccumulative, toxic substance (UK REACH)
	<i>xB: very persistent, very bioaccumulative substance (UK REACH)</i>
	REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
	CLP: Regulation on classification, labelling and packaging of substances and mixtures
	: body weight 1: Unique Formula Identifier
	R: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning
	ernational Carriage of Dangerous Goods by Road)
	DG: International Maritime Code for Dangerous Goods FA: International Air Transport Association
	IS: Globally Harmonised System of Classification and Labelling of Chemicals
	NECS: European Inventory of Existing Commercial Chemical Substances
	INCS: European List of Notified Chemical Substances S: Chemical Abstracts Service (division of the American Chemical Society)
	T: Persistent, Bioaccumulative and Toxic
	vB: very Persistent and very Bioaccumulative
	ute Tox. 4: Acute toxicity – Category 4
	n Corr. 1A: Skin corrosion/irritation – Category 1A
	n Corr. 1B: Skin corrosion/irritation – Category 1B n Irrit. 2: Skin corrosion/irritation – Category 2
	e Dam. 1: Serious eye damage/eye irritation – Category 1

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31



Printing date 14.02.2025	Version number 1	Revision: 14.02.2025

Trade name: MB10 - Buffer A3

	(Contd. of page 1)
• Precautionary sta	tements
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
· 2.3 Other hazards	
· Results of PBT an	nd vPvB assessment:

• **PBT**: PBT - Assessment not available.

· **vPvB**: vPvB - Assessment not available.

• Determination of endocrine-disrupting properties No further relevant information available.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** aqueous solution

· Dangerous compone	ents:	
CAS: 50-01-1	guanadine hydrochloride	20-50%
EINECS: 200-002-3	🚸 Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 64-19-7	acetic acid	2.5-15%
EINECS: 200-580-7	♦ Flam. Liq. 3, H226; ♦ Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: $C \ge 90 \%$	
	Specific concentration limits: Skin Corr. 1A; H314: $C \ge 90 \%$	
	Skin Corr. 1B; H314: 25 % ≤ C < 90 %	
	<i>Skin Irrit.</i> 2; <i>H315:</i> 10 % ≤ C < 25 %	
	<i>Eye Irrit.</i> 2; <i>H319: 10 % ≤ C < 25 %</i>	
Additional informati		

· Additional information

The product does not contain any other substances that have to be declared according to UK REACH (Regulation (EC) No 1907/2006).

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

• After skin contact:

Wash off immediately with soap and water and rinse thoroughly. In case of complaints, consult a doctor. • *After eye contact:*

Rinse opened eye for several minutes with running water. Remove contact lenses if possible and continue rinsing. Consult an ophthalmologist immediately.

• After swallowing:

Rinse out mouth. Call a doctor immediately. Do not induce vomiting!

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:

 CO_2 , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • 5.2 Special hazards arising from the substance or mixture:

Formation of hazardous vapours and gases possible during heating or in case of fire.

(Contd. on page 3)

GB

Printing date 14.02.2025 Version

Version number 1

Revision: 14.02.2025

(Contd. of page 2)

Trade name: MB10 - Buffer A3

· 5.3 Advice for firefighters

- · Protective equipment: Wear self-contained breathing apparatus.
- Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to section 13.
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

- Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Store containers tightly closed and dry.
- 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Components with limit values that require monitoring at the workplace:

64-19-7 acetic acid (5-15%)

WEL Short-term value: 50 mg/m³, 20 ppm Long-term value: 25 mg/m³, 10 ppm

• Additional information: The lists that were valid during the creation were used as basis.

- · 8.2 Exposure controls
- Appropriate engineering controls: No further data; see section 7.
- · Individual protection measures, such as personal protective equipment:
- General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Store protective clothing separately.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

• Breathing equipment: Suitable respiratory protective device recommended.

(Contd. on page 4)

Printing date 14.02.2025

Version number 1

Revision: 14.02.2025

Trade name: MB10 - Buffer A3

Hand protection:	(Contd. of page
Protective gloves.	
Due to missing tests no recommendation to the glo	ve material can be given for the product/ the preparatio
the chemical mixture.	
	on of the penetration times, rates of diffusion and the
degradation Material of gloves:	
	ly depend on the material, but also on further marks
quality and varies from manufacturer to manufactu	
	ly depend on the material, but also on further marks
quality and varies from manufacturer to manufa	ifacturer. As the product is a preparation of sever
	an not be calculated in advance and has therefore to l
checked prior to the application.	
Penetration time of glove material:	
	y the manufacturer of the protective gloves and has to b
observed.	5 minutes along made of the fallowing materials
For the permanent contact of a maximum of 1 suitable:	5 minutes gloves made of the following materials a
Butyl rubber, BR	
Nitrile rubber, NBR	
Eye/face protection: Safety glasses	
Body protection: Protective work clothing.	
· ·	
SECTION 9: Physical and chemical propertie	?S
9.1 Information on basic physical and chemical p	roperties
	F • • • • • •
General Information:	-
General Information: Physical state:	Fluid
General Information: Physical state: Colour:	- Fluid Colourless
General Information: Physical state: Colour: Odour:	- Fluid Colourless harsh
General Information: Physical state: Colour: Odour: Melting point/freezing point:	- Fluid Colourless
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling	- Fluid Colourless harsh No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range:	Fluid Colourless harsh No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling	- Fluid Colourless harsh No information available No information available Based on available data, the classification criteria fo
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range:	Fluid Colourless harsh No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability:	- Fluid Colourless harsh No information available No information available Based on available data, the classification criteria fo
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit:	Fluid Colourless harsh No information available Based on available data, the classification criteria fo flammable liquids are not met. No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point:	Fluid Colourless harsh No information available Based on available data, the classification criteria fo flammable liquids are not met. No information available No information available >60 °C
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C:	Fluid Colourless harsh No information available Based on available data, the classification criteria fo flammable liquids are not met. No information available No information available >60 °C
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available No information available No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value):	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available No information available Not determined. No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value): Vapour pressure:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available No information available No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available Not information available Not determined. No information available No information available No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Density at 20 °C:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available No information available Not determined. No information available No information available I.11 g/cm ³
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Density at 20 °C: Relative density:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available Not determined. No information available No information available I.11 g/cm ³ No information available
General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value): Vapour pressure: Density and/or relative density: Density at 20 °C:	Fluid Colourless harsh No information available Based on available data, the classification criteria for flammable liquids are not met. No information available No information available >60 °C No information available 4.1-4.3 No information available No information available No information available Not determined. No information available No information available I.11 g/cm ³

Printing date 14.02.2025Version number 1Revision: 14.02.2025

Trade name: MB10 - Buffer A3

	(Contd. of page 4)
· 9.2 Other information	
· Appearance:	
· Form:	Liquid
• Important information on protection of health and environment, and on safety:	•
• Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	- *
· Organic solvents:	2.5-<10 %

SECTION 10: Stability and reactivity

• 10.1 Reactivity: No further relevant information available.

· 10.2 Chemical stability:

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No further relevant information available.
- · 10.4 Conditions to avoid: High temperatures

 \cdot 10.5 Incompatible materials:

Avoid contact with:

strong acids

strong oxidizers

• 10.6 Hazardous decomposition products: In case of fire: see section 5

SECTION 11: Toxicological information

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

• Acute toxicity: Based on available data, the classification criteria are not met.

· Skin corrosion/irritation: Causes skin irritation.

· Serious eye damage/irritation: Causes serious eye irritation.

• Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.

• Reproductive toxicity: Based on available data, the classification criteria are not met.

- · STOT-single exposure: Based on available data, the classification criteria are not met.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- Aspiration hazard: Based on available data, the classification criteria are not met.

• 11.2 Information on other hazards:

• Endocrine disrupting properties: No relevant information available

SECTION 12: Ecological information

- · 12.1 Toxicity:
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment:
- · **PBT**: PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- \cdot Additional ecological information:

· General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

(Contd. on page 6)

GB

Printing date 14.02.2025

Version number 1

Revision: 14.02.2025

Trade name: MB10 - Buffer A3

(Contd. of page 5)

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

• *Recommendation* Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

• *Recommendation: Disposal must be made according to official regulations.*

SECTION 14: Transport information

SECTION 14. Transport information		
· 14.1 UN number or ID number · ADR, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA · Class:	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards	Not applicable.	
· 14.6 Special precautions for user	Not applicable.	
• 14.7 Maritime transport in bulk according instruments	to IMO Not applicable.	
· UN ''Model Regulation'':	Void	

SECTION 15: Regulatory information

- \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

(Contd. on page 7)

в

Printing date 14.02.2025Version number 1Revision: 14.02.2025

Trade name: MB10 - Buffer A3

- · REGULATION (EU) 2019/1148
- · Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

 \cdot Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Technical instructions (air):

Class	Share in %
II	5-15

- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

· Relevant phrases

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

· Department issuing SDS: Product Safety Department

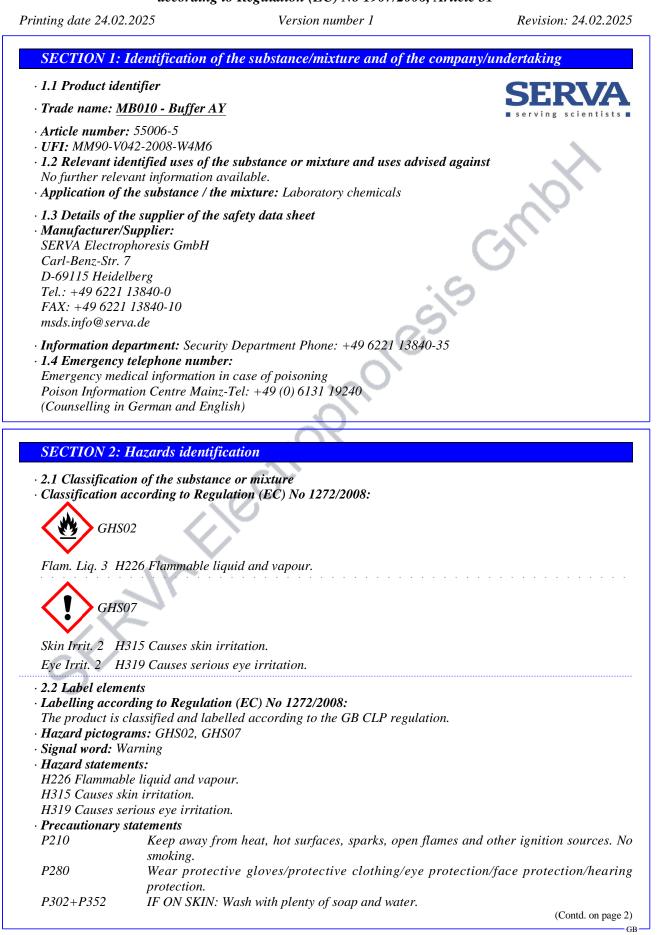
· Contact: +49 6221 13840-35

· Abbreviations and acronvms: PBT: persistent, bioaccumulative, toxic substance (UK REACH) vPvB: very persistent, very bioaccumulative substance (UK REACH) UK REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals GB CLP: Regulation on classification, labelling and packaging of substances and mixtures bw: body weight UFI: Unique Formula Identifier ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity - Category 4 Skin Corr. 1A: Skin corrosion/irritation - Category 1A Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

(Contd. of page 6)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31



Printing date 24.02.2025 Version number 1

Revision: 24.02.2025

Trade name: MB010 - Buffer AY

	(Contd. of page 1)
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
· Labelling of pa	ckages where the contents do not exceed 125 ml
• Hazard pictogra	ums GHS02, GHS07
· Signal word Wa	urning
• Hazard stateme	nts Void
• Precautionary s	tatements
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing
	protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P3	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
· 2.3 Other hazar	ds
· Results of PBT	and vPvB assessment:
• PBT: PBT - Ass	essment not available.

- · **vPvB**: vPvB Assessment not available.
- Determination of endocrine-disrupting properties No further relevant information available.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: aqueous solution

· Dangerous components:			
		guanadine hydrochloride	20-50%
	EINECS: 200-002-3	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
	CAS: 64-17-5	ethanol	20-50%
	EINECS: 200-578-6	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319	

· Additional information

The product does not contain any other substances that have to be declared according to UK REACH (Regulation (EC) No 1907/2006).

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:
- Wash off immediately with soap and water and rinse thoroughly. In case of complaints, consult a doctor. *After eye contact:*
- Rinse opened eye for several minutes with running water. Remove contact lenses, if possible, and continue rinsing. In case of complaints, consult an ophthalmologist.
- After swallowing: Rinse out mouth. In case of complaints, consult a doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

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

(Contd. on page 3)

GB

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - Buffer AY

- (Contd. of page 2) • 5.2 Special hazards arising from the substance or mixture: Formation of hazardous vapours and gases possible during heating or in case of fire. *In case of fire, the following can be formed, but not limited to:* Carbon monoxide and carbon dioxide · 5.3 Advice for firefighters · Protective equipment: Wear self-contained breathing apparatus. · Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. **SECTION 6:** Accidental release measures · 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. Ensure adequate ventilation Avoid inhalation of vapours. Keep away from ignition sources Particular danger of slipping on leaked/spilled product. • 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water. · 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to section 13. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). · 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. **SECTION 7: Handling and storage** · 7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. • Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. · 7.2 Conditions for safe storage, including any incompatibilities · Storage • **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
 - Information about storage in one common storage facility: Store away from oxidising agents.
 - Further information about storage conditions: Store containers tightly closed and dry.
 - 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Components with limit values that require monitoring at the workplace:

64-17-5 ethanol (30-50%)

WEL Long-term value: 1920 mg/m³, 1000 ppm

• Additional information: The lists that were valid during the creation were used as basis.

· 8.2 Exposure controls

- Appropriate engineering controls: No further data; see section 7.
- · Individual protection measures, such as personal protective equipment:
- \cdot General protective and hygienic measures:
- *Keep away from foodstuffs, beverages and feed. Store protective clothing separately.*

(Contd. on page 4)

GB

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - Buffer AY

	(Contd. of page 3)
Immediately remove all soiled and contaminated cl	othing
Avoid inhalation of vapours.	
Avoid contact with the eyes and skin.	
Wash hands before breaks and at the end of work.	
Breathing equipment:	
Short term filter device:	
Filter P2.	
Hand protection:	
° °	ve material can be given for the product/ the preparation/
the chemical mixture.	
	on of the penetration times, rates of diffusion and the
degradation	
Material of gloves:	h denord on the material but also on further marks of
	y depend on the material, but also on further marks of
quality and varies from manufacturer to manufactu The selection of the suitchle cloves does not only	
quality and varies from manufacturer to manufa	y depend on the material, but also on further marks of facturer. As the product is a preparation of several an not be calculated in advance and has therefore to be
Penetration time of glove material:	
	y the manufacturer of the protective gloves and has to be
observed.	,
For the permanent contact of a maximum of 1.	5 minutes gloves made of the following materials are
suitable:	
suitable:	
suitable: Nitrile rubber, NBR	
suitable: Nitrile rubber, NBR Natural rubber, NR	
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing.	
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses	S
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie	
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro	
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical profession General Information:	roperties
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state:	roperties Fluid
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour:	roperties Fluid Colourless
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour:	roperties Fluid Colourless Characteristic
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point:	roperties Fluid Colourless
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling	roperties Fluid Colourless Characteristic undetermined
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range:	roperties Fluid Colourless Characteristic undetermined 87 °C
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability:	roperties Fluid Colourless Characteristic undetermined 87 °C
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined.
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined.
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical part General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: Decomposition temperature:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined.
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: Decomposition temperature: pH at 20 °C:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: Decomposition temperature: pH at 20 °C: Viscosity:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35 No information available
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35 No information available No information available
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35 No information available No information available Fully miscible
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: Decomposition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value):	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35 No information available No information available Fully miscible No information available
suitable: Nitrile rubber, NBR Natural rubber, NR Eye/face protection: Safety glasses Body protection: Protective work clothing. SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Auto-ignition temperature: pH at 20 °C: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water:	roperties Fluid Colourless Characteristic undetermined 87 °C Flammable liquid and vapour according to GB CLP Regulation (EU) No. 1272/2008: Flam. Liq. 3 H226 Not determined. Not determined. 23 °C 423 °C Not determined. 7.15-7.35 No information available No information available Fully miscible

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - Buffer AY

	(Contd. of page 4
· Density and/or relative density:	
• Density at 20 •C:	$0.99 \ g/cm^3$
· Relative density:	No information available
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection	of health and
environment, and on safety:	
• Explosive properties:	Product is not explosive. However, formation og explosive air/vapour mixtures are possible.
	Not determined.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity: No further relevant information available.
- · 10.2 Chemical stability:
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No further relevant information available.
- 10.4 Conditions to avoid: Avoid high temperatures, flames and sparks
- 10.5 Incompatible materials: Avoid contact with strong oxidising agents, strong acids, strong alkalis.
- 10.6 Hazardous decomposition products: In case of fire: see section 5

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:
- Acute toxicity: Based on available data, the classification criteria are not met.
- · Skin corrosion/irritation: Causes skin irritation.
- · Serious eye damage/irritation: Causes serious eye irritation.
- Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- *Reproductive toxicity:* Based on available data, the classification criteria are not met.
- STOT-single exposure: Based on available data, the classification criteria are not met.
- · STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards:
- Endocrine disrupting properties: No relevant information available

SECTION 12: Ecological information

- · 12.1 Toxicity:
- Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability: The single components are biodegradable
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment:
- **PBT:** PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- Additional ecological information:
- · General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

(Contd. on page 6)

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - Buffer AY

(Contd. of page 5)

GB

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

- *Recommendation Dispose of in accordance with official regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- · Uncleaned packagings:
- · Recommendation:

Uncleaned packaging must be disposed of in the same way as the product in accordance with official regulations.

• **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1993
14.2 UN proper shipping name	
ADR	1993 FLAMMABLE LIQUID, N.O.S. (ETHANO
uma	(ETHYL ALCOHOL))
IMDG	FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHY ALCOHOL))
IATA	FLAMMABLE LIQUID, N.O.S. (ETHANOL)
14.3 Transport hazard class(es)	~ ()
ADR, IMDG, IATA	
Class:	3 Flammable liquids.
Label:	3
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	30
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
Stowage Category	A
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: El
	Maximum net quantity per inner packaging: 30 ml
T	Maximum net quantity per outer packaging: 1000 ml
Transport category Tunnel restriction code	3 D/E

 Printing date 24.02.2025
 Version number 1
 Revision: 24.02.2025

 Trade name: MB010 - Buffer AY
 (Contd. of page 6)

· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, III

SECTION 15: Regulatory information

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

· Regulated explosives precursors

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU

• Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

 \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

• REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

• Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

• Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 8)

GB

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - Buffer AY

(Contd. of page 7)

	present knowledge. However, this shall not constitute a guarantee for an Il not establish a legally valid contractual relationship.
Relevant phrases H225 Highly flammable liquid an	duanaur
H225 Highly flammable liquia an H302 Harmful if swallowed.	
H302 Harmful If swallowed. H315 Causes skin irritation.	
H319 Causes serious eye irritatio	п.
Department issuing SDS: Produc	et Safety Department
Contact: +49 6221 13840-35	
Abbreviations and acronyms:	
PBT: persistent, bioaccumulative, toxic su	bstance (UK REACH)
vPvB: very persistent, very bioaccumulativ	
	gistration, Evaluation, Authorisation and Restriction of Chemicals
0	elling and packaging of substances and mixtures
bw: body weight UFI: Unique Formula Identifier	
	national des marchandises dangereuses par route (European Agreement Concerning ti
International Carriage of Dangerous Goo	
IMDG: International Maritime Code for D	
IATA: International Air Transport Associa	tion
GHS: Globally Harmonised System of Cla	
EINECS: European Inventory of Existing	
ELINCS: European List of Notified Chemi	
CAS: Chemical Abstracts Service (division PBT: Persistent, Bioaccumulative and Tox	5
vPvB: very Persistent and very Bioaccumu	
Flam. Liq. 2: Flammable liquids – Categor	
Flam. Liq. 3: Flammable liquids – Categor	
Acute Tox. 4: Acute toxicity – Category 4	·
Skin Irrit. 2: Skin corrosion/irritation - Ca	ntegory 2
Eye Irrit. 2: Serious eye damage/eye irrita	tion – Category 2

GB

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31



Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - RNase A

· Determination of endocrine-disrupting properties No further relevant information available.

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

- · 3.1 Substances
- · CAS No. Description:
- 9001-99-4 Nuclease, ribo-
- · Identification number(s):
- **EC number:** 232-646-6

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:
- Wash off immediately with soap and water and rinse thoroughly. In case of complaints, consult a doctor. *After eye contact:*

Rinse opened eye for several minutes with running water. Remove contact lenses, if possible, and continue rinsing. In case of complaints, consult an ophthalmologist.

- After swallowing: Rinse out mouth. In case of complaints, consult a doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3** *Indication of any immediate medical attention and special treatment needed No further relevant information available.*

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · 5.2 Special hazards arising from the substance or mixture:
- Formation of hazardous vapours and gases possible during heating or in case of fire. In case of fire, the following can be formed, but not limited to: Carbon monoxide and carbon dioxide
- · 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained breathing apparatus.
- · Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. Ensure adequate ventilation Avoid formation of dust.
6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up

Dispose contaminated material as waste according to section 13.

Pick up mechanically.

6.4 Reference to other sections
 See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment.

(Contd. on page 3)

GB

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

(Contd. of page 2)

Trade name: MB010 - RNase A

See Section 13 for disposal information.

SECTION 7: Handling and storage

 7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust.

- · Information about protection against explosions and fires: Keep ignition sources away Do not smoke.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Store containers tightly closed and dry.
- 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls: No further data; see section 7.
- · Individual protection measures, such as personal protective equipment:
- · General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Store protective clothing separately.
- Immediately remove all soiled and contaminated clothing
- Avoid contact with the eyes and skin.
- Wash hands before breaks and at the end of work.
- Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Hand protection:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

• Material of gloves:

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.

· Penetration time of glove material:

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

 \cdot For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Nitrile rubber, NBR Natural rubber, NR

- · Eye/face protection: Safety glasses
- · Body protection: Protective work clothing.

(Contd. on page 4)

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

Trade name: MB010 - RNase A

(Contd. of page 3)

9.1 Information on basic physical and chemical physical	roperties
General Information:	
Physical state:	Solid.
Colour:	White
Odour:	Odourless
Odour threshold:	not determined.
Melting point/freezing point:	No information available
Boiling point or initial boiling point and boiling	
range:	No information available
Flammability:	No information available
Lower and upper explosion limit:	
Lower:	No information available
Upper:	No information available
Flash point:	No information available
Decomposition temperature:	No information available
pH:	No information available
Viscosity:	
Kinematic viscosity:	No information available
Dynamic viscosity:	No information available
Solubility:	
Water:	Slightly soluble
Partition coefficient n-octanol/water (log value):	No information available
Vapour pressure:	No information available
Density and/or relative density:	
Density at 20 °C:	$1.4 \ g/cm^3$
Relative density:	No information available
Particle characteristics	No information available
9.2 Other information	
Appearance:	
Form:	lyophilisate
Important information on protection of health and environment, and on safety:	1
Explosive properties:	The product is not explosive, but the formation of
	explosive dust/air mixtures is possible.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity: No further relevant information available.
- · 10.2 Chemical stability:
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: No further relevant information available.
- · 10.4 Conditions to avoid: High temperatures
- · 10.5 Incompatible materials:
- Avoid contact with:
- strong acids
- strong bases

• 10.6 Hazardous decomposition products: In case of fire: see section 5

SECTION 11: Toxicological information

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

- Acute toxicity: Based on available data, the classification criteria are not met.
- · Skin corrosion/irritation: Based on available data, the classification criteria are not met.

(Contd. on page 5)

GB

Printing date 24.02.2025

Version number 1

Revision: 24.02.2025

(Contd. of page 4)

Trade name: MB010 - RNase A

- Serious eye damage/irritation: Based on available data, the classification criteria are not met. • Respiratory or skin sensitisation:
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- · STOT-single exposure: Based on available data, the classification criteria are not met.
- · STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards:
- · Endocrine disrupting properties: No relevant information available

SECTION 12: Ecological information

- · 12.1 Toxicity:
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- 12.4 Mobility in soil: No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment:
- · **PBT:** PBT assessment not available.
- · **vPvB**: vPvB assessment not available.
- 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects:
- Additional ecological information:
- · General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Dispose of in accordance with official regulations.

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

- · Uncleaned packagings:
- · Recommendation:

Uncleaned packaging must be disposed of in the same way as the product in accordance with official regulations.

14.1 UN number or ID number		
ADR, ADN, IMDG, IATA	Void	
14.2 UN proper shipping name		
ADR, ADN, IMDG, IATA	Void	
14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA		
Class:	Void	
14.4 Packing group		
ADR, IMDG, IATA	Void	
14.5 Environmental hazards	Not applicable.	

(Court 1 of more 5)

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.02.2025	Version number 1	Revision: 24.02.2025
Trade name: MB010 - RNase A		

	(Contd. of page 5)	
· 14.6 Special precautions for user	Not applicable.	
• 14.7 Maritime transport in bulk according to IMO instruments Not applicable.		
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN ''Model Regulation'':	Void	

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act
- · Regulated explosives precursors Substance is not listed.
- · Regulated poisons Substance is not listed.
- · Reportable explosives precursors Substance is not listed.
- · Reportable poisons Substance is not listed.
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I Substance is not listed.
- · DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II
- Substance is not listed. • REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) Substance is not listed.
- · Annex II REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
- Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors Substance is not listed.
- · National regulations:
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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 SDS: Product Safety Department
- · Contact: +49 6221 13840-35
- Date of previous version: 24.02.2025

```
• Abbreviations and acronyms:
```

- ICAO: International Civil Aviation Organisation PBT: persistent, bioaccumulative, toxic substance (UK REACH)
- *vPvB: very persistent, very bioaccumulative, loxic substance (UK REACH)*
- UK REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
- GB CLP: Regulation on classification, labelling and packaging of substances and mixtures
- bw: body weight

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

Resp. Sens. 1: Respiratory sensitisation – Category 1