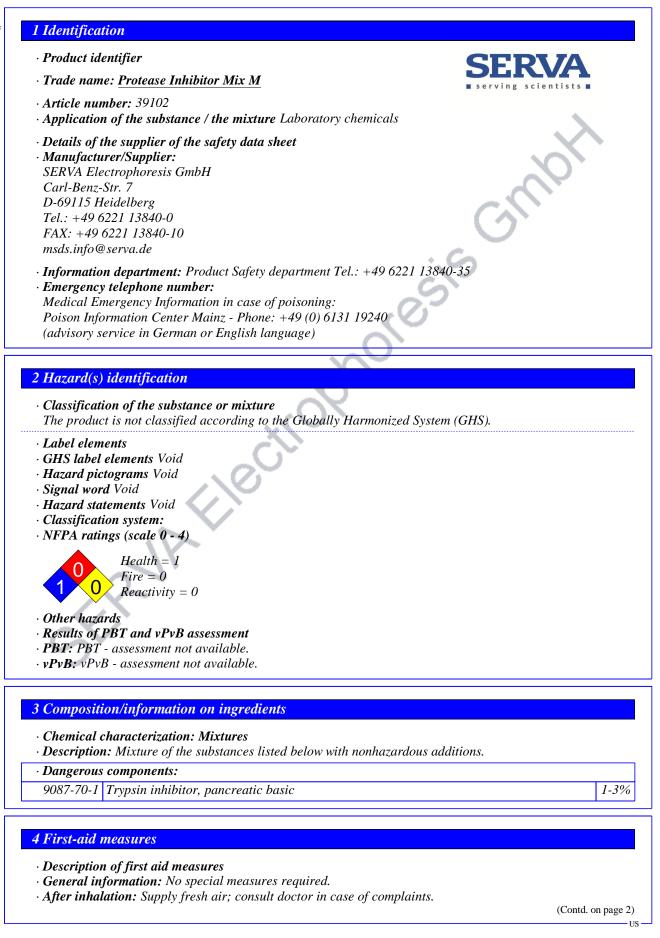
05/03/2018	Kit Components
Product code	Description
39242	Mammalian Membrane Protein Extraction Kit
Components:	
39242.A	MPEB Buffer I
39242.B	MPEB Buffer II
39242.C	MPEB Buffer III
39102	Protease Inhibitor Mix M

Printing date 05/03/2018



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## Safety Data Sheet acc. to OSHA HCS

Printing date 05/03/2018

Reviewed on 05/03/2018

#### Trade name: Protease Inhibitor Mix M

• After skin contact:

- Immediately wash with water and soap and rinse thoroughly. Consult doctor if you feel unwell. *After eye contact:*
- Rinse opened eye for several minutes under running water. Remove present contact lenses, if easy to do, and continue rinsing. Consult ophthalmologist In case of complaints.
- · After swallowing:
- Wash out mouth. Drink plenty of water and supply fresh air. Seek medical advice if discomfort occurs.
- Information for doctor:
- *Most important symptoms and effects, both acute and delayed* No further relevant information available. • *Indication of any immediate medical attention and special treatment needed*
- No further relevant information available.

# 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- $CO_{2}$  extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • Special hazards arising from the substance or mixture
- In case of fire, the following can be released: Nitrogen oxides (NOx) Hydrogen chloride (HCl)
- Carbon monoxide and carbon dioxide
- · Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

# 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective clothing.
  Ensure adequate ventilation Avoid formation of dust.
  Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
- Pick up mechanically. Dispose contaminated material as waste according to item 13. • **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.

# 7 Handling and storage

- · Handling:
- · Precautions for safe handling Prevent formation of dust.
- · Information about protection against explosions and fires: Keep ignition sources away Do not smoke.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store at -15 to -25 °C
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed and store in dry conditions.
- Specific end use(s) No further relevant information available.

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Printing date 05/03/2018

Trade name: Protease Inhibitor Mix M

Reviewed on 05/03/2018

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Exposure controls/personal p	
Additional information about d	esign of technical systems: No further data; see item 7.
• Control parameters	
-	hat require monitoring at the workplace:
-	any relevant quantities of materials with critical values that have to b
monitored at the workplace.	
Additional information: The list	ts that were valid during the creation were used as basis.
• Exposure controls	
Personal protective equipment:	
· General protective and hygienic	
Keep away from foodstuffs, beve	
Store protective clothing separa	
Immediately remove all soiled a	•
Avoid contact with the eyes and Wash hands before breaks and	
Wash hands before breaks and a	
<b>Breathing equipment:</b> Suitable <b>Protection of hands:</b>	respiratory protective device recommended.
0	permeable and resistant to the product/ the substance/ the preparation.
	endation to the glove material can be given for the product/ the preparation.
the chemical mixture.	enaanon to the glove material can be given jor the product/ the preparation
	al on consideration of the penetration times, rates of diffusion and th
degradation	at on consideration of the penetration times, rates of allfusion and it
• Material of gloves	
	loves does not only depend on the material, but also on further marks
	ufacturer to manufacturer. As the product is a preparation of sever
	ujaciarer io manujaciarer. As the product is a preparation of seven
checked prior to the application	
checked prior to the application Penetration time of glove mater	rial
checked prior to the application <b>Penetration time of glove mater</b> The exact break trough time has	rial
checked prior to the application <b>Penetration time of glove mater</b> The exact break trough time has observed.	<b>.</b> <b>rial</b> s to be found out by the manufacturer of the protective gloves and has to b
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checked prior to the application Penetration time of glove mater The exact break trough time has observed. For the permanent contact of suitable: Natural rubber, NR Nitrile rubber, NBR Eye protection: Safety glasses Body protection: Protective wor Physical and chemical prope Information on basic physical a General Information Appearance: Form: Color: Odor: Change in condition Melting point/Melting range: Boiling point/Boiling range: Flash point: Auto igniting:	rial s to be found out by the manufacturer of the protective gloves and has to b <b>* a maximum of 15 minutes gloves made of the following materials an</b> *k clothing rties rud chemical properties Powder White Odorless Undetermined. Undetermined. Not applicable. Product is not selfigniting.
checked prior to the application Penetration time of glove mater The exact break trough time has observed. For the permanent contact of suitable: Natural rubber, NR Nitrile rubber, NBR Eye protection: Safety glasses Body protection: Protective wor Physical and chemical proper Information on basic physical a General Information Appearance: Form: Color: Odor: Change in condition Melting point/Melting range: Boiling point/Boiling range:	rial s to be found out by the manufacturer of the protective gloves and has to b a maximum of 15 minutes gloves made of the following materials and the clothing rties und chemical properties Powder White Odorless Undetermined. Undetermined. Not applicable.

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Trade name: Protease Inhibitor Mix M

	(Contd. of page 3)
· Density:	Not determined.
· Solubility in / Miscibility with Water:	Soluble.
· Solvent content: Organic solvents:	0.0 %
Solids content: • Other information	100.0 % No further relevant information available.

#### 10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No further relevant informations available.
- · Conditions to avoid high ttemperatures
- · Incompatible materials: No further relevant information available.
- Hazardous decomposition products: In case of fire: See Section 5

# **11 Toxicological information**

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

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

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.

· Carcinogenic categories

#### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

#### · NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

#### **12 Ecological information**

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

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

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# Safety Data Sheet acc. to OSHA HCS

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Trade name: Protease Inhibitor Mix M

Do not allow product to reach ground water, water course or sewage system.

· Results of PBT and vPvB assessment

• *PBT:* Not applicable.

· vPvB: Not applicable.

· Other adverse effects No further relevant information available.

# **13 Disposal considerations**

- · Waste treatment methods
- · Recommendation: Disposal must be made according to official regulations.
- · Uncleaned packagings:
- · Recommendation:

Disposal of uncleaned packagings must be made according to official regulations in the same manner as the product.

· Recommended cleansing agent: Water, if necessary with cleansing agents.

4 Transport information	
· UN-Number · DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADN · Class	Void
· ADR, IMDG, IATA · Class · Label	Void -
· Packing group · DOT, ADR, IMDG, IATA	Void
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Not applicable.
• Transport in bulk according to Annex MARPOL73/78 and the IBC Code	II of Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN ''Model Regulation'':	Void

# **15 Regulatory information**

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

None of the ingredients is listed.

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<sup>-</sup>US-

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· Proposition 65

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(Contu.	or page	5)

None of the ingredients is listed.

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

#### · Cancerogenity categories

· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

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

# **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 preparation / last revision 05/03/2018 / 1

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

*PBT: persistent, bioaccumulative, toxic substance (REACH)* 

*vPvB: very persistent, very bioaccumulative substance (REACH)* 

REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP: Regulation on classification, labelling and packaging of substances and mixtures

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit

• \* Data compared to the previous version altered.