

EU- Safety Data Sheet

according to the EU guidelines 91/155/EWG

last update: 10.10.2007



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Trade name: **Venor[®]Mp and Venor[®]Mp-QP**

1. Product/Preparation/Company

Trade name: **Venor[®]Mp and Venor[®]Mp-QP**

Manufacturer: Minerva Biolabs GmbH
Landhausring 7
12683 Berlin
GERMANY
Tel: +49 (0)30 2000 4370
Fax: +49 (0)30 2000 4379

2. Composition of the Product Information on Ingredients

Chemical characterisation: Solution in water

Active ingredients:

CAS-No.	Einecs-No.	Name	Contents	Danger	Risks
---	---	oligonucleotides	< 4 µg	---	---
---	---	desoxynucleotides dATP, dTTP, dCTP, dGTP	< 5 µg	---	---
7447-40-7	231-211-8	potassium chloride	12,1 mg	---	---
7786-30-3	232-094-6	magnesium chloride	1,7 mg	Xi	R 36/37/38
7786-1	201-064-4	Tris (hydroxymethyl) aminomethane (Tris)	3,9 mg	---	R 37/45/28A
---	---	DNA-fragment, 207 bp, <i>M. pneumoniae</i>	< 0,02 fg	---	---
---	---	plasmid including oligonucleotides and 263 bp of the HTLV-1 tax gene	< 4,2 pg	---	---
only for Venor [®] Mp-QP:					
---	---	fluorescence dye	< 1 ppm	---	---

3. Possible Hazards

Material may cause irritation to the eyes, skin, mucous membranes, and the upper respiratory tract.

4. First Aid Measures

General Advice: Remove contaminated clothing immediately.

On skin contact: Wash thoroughly with soap and copious amounts of water.

On contact with eyes: Immediately wash out with plenty of water, consult an eye specialist.

On ingestion: Dilute the concentrate by drinking plenty of water, look for medical advice immediately.

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5. Fire Fighting Measures Noncombustible
Use extinguishing media appropriate to surrounding conditions.

6. Measures in Case of Accidental Release Measures for personal safety: Wear protective gloves and goggles
Environmental precautions: Product must not enter ground, sewerage system or water course
Cleaning and absorption methods: Collect with absorbent material

7. Handling and Storage Measures for safe handling: Always keep the containers tightly closed
Prevention of fire and explosions: No particular measures
Requirements for storage rooms and containers: Store in the original container, at temperatures of +2 to +8°C. After rehydration of the lyophilized compounds, store below -18°C
Advice for storage together with other products (observe national regulation for storage of chemicals): Keep away from foodstuffs

8. Exposure Controls and Personal Protection General protective and hygiene measures: Wash hands before break and at the end of working period
Hand protection: Wear synthetic or rubber gloves
Eye protection: Wear goggles

9. Physical and Chemical Properties Form: Liquid, powder
Colour: Colourless
Odour: none

<i>Value/Range</i>	<i>Unit</i>	<i>Method</i>
Solubility in water:		as desired
pH-value:	at 20°C	approx. 8,5

10. Stability and Reactivity No decomposition provided product is correctly used
Contains no hazardous decomposition products

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11. Toxicological Information

Acute toxicity: KCl: oral; rat; LD₅₀: 2600 mg/kg
MgCl₂: oral; rat; LD₅₀: 8100 mg/kg
Tris: oral; rat; LD₅₀: 5900 mg/kg

On mucous membrane: irritating

On eyes: irritating

12. Ecological Information

General indication: Venor[®]Mp is biodegradable

13. Disposal Considerations

The product and packaging should be disposed of in accordance with the instructions of the local authorities.

14. Regulatory Information

EEC-regulations and guidelines: Observe safety instructions for work places.
Keep out of reach of children!

15. Other Information

The information given herein are based on the present state of our knowledge and do not therefore guarantee certain properties; nor do they create a contractual legal position.

Responsible for the Safety Data Sheet: Scientific-technical department

Contact for scientific requests: Dr. Dirk Vollenbroich
Ms. Sandra Vierich