

# EU- Safety Data Sheet

according to the EU guidelines 91/155/EWG

last update: 19.04.2002



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Trade name: **Venor<sup>®</sup>MGS**

## 1. Product/Preparation/Company

Trade name: **Venor<sup>®</sup>MGS**

Manufacturer: Minerva Biolabs GmbH  
Koepenicker Str. 325  
12555 Berlin  
GERMANY  
Tel: +4930/65 76 28 30  
Fax: +4930/65 76 28 31

## 2. Composition of the Product Information on Ingredients

Chemical characterisation: Solution in water

Active ingredients and hazardous components

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	27,6 mg	---	R 36/37/38
7786-30-3	232-094-6	magnesium chloride	4,5 mg	Xi	R 37/45/28A
7786-1	201-064-4	tris (hydroxymethyl) aminomethane (Tris)	8,9 mg	---	---
---	---	DNA-fragments, < 500 bp, purified PCR products	< 0,1 fg	---	---
---	---	plasmid DNA	4,2 pg	---	---

## 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.

## 5. Fire Fighting Measures

Noncombustible  
Use extinguishing media appropriate to surrounding conditions.

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**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

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**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

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**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

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**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: (50 g/l)	at 20°C	approx. 8,5

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**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; LD<sub>50</sub>: 2600 mg/kg  
MgCl<sub>2</sub>: oral; rat; LD<sub>50</sub>: 8100 mg/kg  
Tris: oral; rat; LD<sub>50</sub>: 5900 mg/kg

On mucous membrane: irritating

On eyes: irritating

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### 12. Ecological Information

General indication: Venor<sup>®</sup>MGS is biodegradable

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### 13. Disposal Considerations

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

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### 14. Regulatory Information

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

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### 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  
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