

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Saline Solution (for Protein S)**

Revision date: 17.01.2019

Product code: O115508-6

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Saline Solution (for Protein S)

Product group: Endprodukt

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

In-vitro-Diagnostics

**1.3. Details of the supplier of the safety data sheet**

Company name: Analyticon® Biotechnologies AG  
 Street: Am Mühlenberg 10  
 Place: D-35104 Lichtenfels  
 Telephone: +49 (0) 6454/7991-0  
 e-mail: support@analyticon-diagnostics.com  
 Contact person: Zentrale  
 Internet: http://www.analyticon-diagnostics.com

Telefax: +49 (0) 6454/7991-30  
 Telephone: +49 (0) 6454/7991-0

**1.4. Emergency telephone number:**

Giftnotruf Mainz: +49 (0) 6131 / 19240

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements****Hazard components for labelling**

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

**2.3. Other hazards**

This mixture does not contain any substances presenting a health or environmental hazard within the means of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
26628-22-8	sodium azide			<1 %
	247-852-1	011-004-00-7		
	Acute Tox. 2, Aquatic Acute 1, Aquatic Chronic 1; H300 H400 H410 EUH032			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Move victim out of danger zone.

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**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

Rinse mouth thoroughly with water.

**4.2. Most important symptoms and effects, both acute and delayed**

In rare cases the product can cause temporary erythema of the skin. Causes eye irritation.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can lead to the escape of irritating gases and vapours.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus. Wear protective gloves/protective clothing/eye protection/face protection.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not allow to enter into soil/subsoil.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

See section 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Do not breathe gas/fumes/vapour/spray. Use only in well-ventilated areas.

The floor should be leak tight, jointless and not absorbent.

All work processes must always be designed so that the following is excluded:  
inhalation. skin contact. Eye contact.**Advice on protection against fire and explosion**

Usual measures for fire prevention.

When using do not smoke.

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### Further information on handling

When using do not eat, drink, smoke, sniff.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place.

#### Hints on joint storage

The product is not: Combustible. Exclude sources of ignition-no smoking

#### Further information on storage conditions

Recommended storage temperature: of °C: 2 up to °C: 8

Protect against: heat. UV-radiation/sunlight.

### 7.3. Specific end use(s)

This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
26628-22-8	Sodium azide (as NaN <sub>3</sub> )	-	0.1		TWA (8 h)	WEL
		-	0.3		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

Do not breathe gas/fumes/vapour/spray.

#### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

#### Eye/face protection

Eye protection: Tightly sealed safety glasses.

#### Hand protection

 Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374  
 Breakthrough times and swelling properties of the material must be taken into consideration.

#### Skin protection

Suitable protective clothing: Lab apron.

Footwear: Chemical resistant safety shoes.

#### Respiratory protection

Respiratory protection necessary at: insufficient ventilation. Handling larger quantities.

#### Environmental exposure controls

No special environmental measures are necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	odourless

#### Changes in the physical state

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Melting point: The product has not been tested.

Initial boiling point and boiling range: The product has not been tested.

#### Explosive properties

The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.

#### Oxidizing properties

Not oxidizing.

Vapour pressure: Corresponds to the vapour pressure of water.

 Density: 1 g/cm<sup>3</sup>

Water solubility: completely miscible

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

Heat

### 10.5. Incompatible materials

strong acids Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

This information is not available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

No information available.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
26628-22-8	sodium azide				
	oral	ATE 5 mg/kg			

#### Irritation and corrosivity

In rare cases the product can cause temporary erythema of the skin.

#### Sensitising effects

No information available.

#### Carcinogenic/mutagenic/toxic effects for reproduction

No information available.

#### STOT-repeated exposure

No information available.

#### Aspiration hazard

Coughing.

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**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information****12.1. Toxicity**

No data available

**12.2. Persistence and degradability**

No data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

**Waste disposal number of waste from residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**Waste disposal number of used product**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**Waste disposal number of contaminated packaging**

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

**Contaminated packaging**

Water (with cleaning agent). Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)****Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**



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#### Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

#### Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

2004/42/EC (VOC): 0,5 % (5 g/l)

##### National regulatory information

Water contaminating class (D): - - not water contaminating

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 4,5,7,9,11,12,13,15.

#### Relevant H and EUH statements (number and full text)

H300	Fatal if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*