



# Safety Data Sheet

Complies Regulation (EC) No. 1907/2006 (REACH), Annex II,  
modified according to Regulation (EC) 453/2010 - Europe

**ANTIGENES GmbH**

Labordiagnostika

Römerstraße 20-22

D-58332 Schwelm

Germany

Tel.: +49 2336 9154958

Fax: +49 2336 9154957

Email: [info@antigenes.de](mailto:info@antigenes.de)

Homepage: [www.antigenes.de](http://www.antigenes.de)

## SemenMar

### 1. Identification of the substance/mixture and of the supplier

**Product name:** SemenMar  
**Article No:** ZR11100  
**Application:** IgG/IgA Semen agglutination test  
*In vitro* diagnostics  
**Manufacturer:** ANTIGENES GmbH, Römerstraße 20-22, 58332 Schwelm  
**Homepage:** [www.antigenes.de](http://www.antigenes.de)  
**E-Mail:** [info@antigenes.de](mailto:info@antigenes.de)  
**Distribution:** ANTIGENES GmbH, Römerstraße 20-22, 58332 Schwelm  
**Emergency call:** For Germany  
 +49 (0) 551 - 19240 Giftinformationszentrum Nord

### 2. Hazards

#### 2.1 Classification and labeling

Classification according to Regulation (EC) No. 1272/2008. Classification according to Directive 67/548 / EEC or Directive 1999/45 / EC. Labeling according to Regulation (EC) No. 1272/2008. The substance / product is classified and labeled according to the CLP Regulation.

#### Sodium azide



Toxic



Environmental Hazard

#### Special risks and safety tips

R28 Very toxic if swallowed.  
 R32 Contact with acids liberates very toxic gas.  
 R50/R53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 S1/S2 Keep locked up and out of the reach of children.  
 S28 After contact with skin, wash immediately with plenty of water.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
 S60 This material and its container must be disposed of as hazardous waste.  
 S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

#### Hazard and safety instructions

H300 Fatal if swallowed.  
 H410 Toxic to aquatic life.  
 EUH 032 Contact with acids liberates very toxic gas.  
 P273 Avoid release to the environment.  
 P310 Immediately call a POISON CENTER/doctor/...

#### PBS-solution

#### Special risks and safety tips

no R-phrases  
 S1/S2 Keep locked up and out of the reach of children.

#### Hazard and safety instructions

no H- and P-phrases

#### 2.2 Other hazard statements

All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

### 3. Composition/ingredients

Component	Reagents	CAS-Code	Quantity
Solution 1	Anti-IgG/-IgA antibodies		<1 %
	Latex-particle		
	Sodium azide	26628-22-8	<1 %
	PBS		>98 %

### 4. First aid measures

#### 4.1 Description of first aid measures

After inhalation of dusts: supply fresh air; if any symptoms occur seek medical advice.

After skin contact: wash with water.

After eye contact: rinse with open eyelid for 10 minutes under running water and seek medical advice.

After swallowing: rinse mouth and then drink water.

If symptoms persist seek medical advice.

#### 4.2 The most important acute and delayed symptoms and effects

Cause irritation, cough, stomach and intestinal disorders

#### 4.3 Indication of immediate medical attention and special treatment

Skin contact: rinse out quickly and thoroughly with water. Continue to monitor skin. Consult a doctor if any swelling occurs.

Revenue: immediately spit out and rinse thoroughly with water. If any discomfort is felt, consult a doctor immediately.

Eyes: Rinse immediately with an eyewash. Rinse the eyes thoroughly under running tap water. Keep an eye on the eyesight and look for a doctor during the deterioration.

Inhalation: Immediately breathe fresh air, rest and breathe in and out several times. Call a physician if the deterioration occurs.

### 5. Fire fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Unsuitable extinguishing agents: for this substance / mixture no limitations of extinguishing agents are known.

#### 5.2 Special hazards arising from the substance or mixture

Product non-combustible.

Ambient fire may liberate hazardous vapors.

In case of fire can be released: Carbon monoxide and carbon

#### 5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Do not breathe dust.

#### 6.2 Environmental precautions

Do not flush into sewers or waterways.

#### 6.3 Methods and material for containment and cleaning up

Pick up mechanically. Dispose of the captured material properly. Clean the area with gloves and masks with water and dry thoroughly. Air the room. Wash coat and contaminated clothing.

### 7. Handling and storage

Store at cold temperatures (2-8°C).

### 8. Exposure controls/personal protection

Wear gloves, mask and coat while handling during the execution. Avoid smoking and acting with high heat-generating appliances.

### 9. Physical and chemical properties

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

	Solution 1
Aggregate state	Mixture of liquid and solid particles
Color	not determined
Odor	not determined
Melting point	not determined
Boiling point	not determined

Inflammability	not determined
Firing point	not determined
Steam pressure	not determined
Relative density	not determined
Solubility	not determined
Viscosity	not determined
Explosive properties	not determined
Oxidizing properties	not determined
Explosion limits	not determined

## 9.2 Other information: None

## 10. Stability and reactivity

	<b>Solution 1</b>
<b>Reactivity</b>	the product has not been tested
<b>Chemical stability</b>	stable when properly stored and handled
<b>Thermal decomposition / conditions to be avoided</b>	no decomposition if used according to specifications
<b>Possibility of hazardous reactions</b>	reactions with strong oxidizing agents
<b>Conditions to avoid</b>	avoid strong heating, no further relevant information available
<b>Incompatible materials</b>	oxidizing agents
<b>Hazardous decomposition products</b>	carbon monoxide and carbon dioxide, nitrous gases, hydrogen chloride (HCl)

## 11. Toxicological information (based on individual ingredients of the solution(s))

### Sodium azide

#### Dangerous health effects

#### Classification-relevant LD<sub>50</sub> / LC<sub>50</sub> values:

**Acute oral toxicity:** LD<sub>50</sub> 27 mg/ kg ( rat)

**Acute inhalation toxicity:** not known

**Acute dermal toxicity:** LD<sub>50</sub> 20 mg/kg (rabbit)

**Skin corrosion / irritation:** slight irritation. Risk of skin resorption.

**Serious eye damage / eye irritation:** Irritation. Resorption.

**Primary irritation after inhalation:** mucous membrane irritation. Absorption after inhalation of dusts. Pulmonary edema possible after latency.

**Sensitization:** no sensitizing effects known

**Germ cell mutagenicity:** no data available.

**Carcinogenicity:** no data available.

**Aspiration hazard:** no classification for aspiration toxicity.

**Reproductive toxicity:** no data available.

**Specific target organ toxicity for single exposure:** not classified as target-toxic.

**Specific target organ toxicity on repeated exposure:** not classified as target antidepressant.

**Other toxicological information:** After swallowing: gastrointestinal disturbances, nausea, vomiting, and diarrhea. Systemic effects: dizziness, blurred vision, convulsions, cardiac arrhythmias, dyspnea, unconsciousness, death.

**Further information:** The toxicological properties of the product have not yet been fully investigated, dangerous properties cannot be excluded. The product must be handled with the care necessary with chemicals.

### PBS-Solution

#### Dangerous health effects

No harmful properties are known.

## 12. Ecological information

Potential damages unknown. Do not empty into drains / groundwater / soil.

## 13. Disposal considerations

Used solutions and solutions that are past life must be disposed of as hazardous waste, it is to follow the local guidelines; do not release to drains, groundwater and/or soil.

## 14. Transport information

Not classified in transport of dangerous goods.

**15. Regulatory information****15.1 Safety, health and environmental regulations/specific legislation for the substances or mixture.**

National regulations: no

Restriction of occupation: no

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out

**16. Other information**

All chemicals are potentially dangerous. Therefore they have to be handled only by specially trained personnel with the necessary care. Although certain hazards are described herein, we cannot guarantee that these are the only hazards. This information is based on our present knowledge; however, it offers no assurance of product properties and establishes no contract legal rights. To our experience and the information provided the product does not have any harmful effects when used and handled according to specifications.