

Trade name: Rgs Hayem z Erythrozytenzählung

Substance number: 183900

Version: 5 / CH

Date revised: 17.06.2016

Replaces Version: 4 / CH

Print date: 17.06.16

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Rgs Hayem z Erythrozytenzählung  
Item No. 18390000

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

#### **Use of the substance/preparation**

In Vitro Diagnostic Medical Device

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

#### **Address**

Hänseler AG  
Industriestrasse 35  
9101 Herisau  
Telephone no. 0041 (0)71 353 58 58  
E-mail address of person responsible for this SDS  
sdb@haenseler.ch

### **1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

## **SECTION 2: Hazards identification \*\*\***

### **2.1. Classification of the substance or mixture**

#### **Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)  
Acute Tox. 4 H302

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008  
For explanation of abbreviations see section 16.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

##### **Hazard pictograms \*\*\***



##### **Signal word \*\*\***

Warning

##### **Hazard statements \*\*\***

H302 Harmful if swallowed.

##### **Precautionary statements \*\*\***

P264.1 Wash hands thoroughly after handling.  
P270 Do no eat, drink or smoke when using this product.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P330 Rinse mouth.  
P501.3 Disposal in compliance with local and national regulations.

#### **Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

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contains Mercury dichloride

## **SECTION 3: Composition/information on ingredients \*\*\***

### **3.2. Mixtures**

#### **Chemical characterization**

Alcoholic solution

Mixture of the following listed substances with harmless admixtures.

#### **Hazardous ingredients (Regulation (EC) No. 1272/2008) \*\*\***

##### **Mercury dichloride**

CAS No.	7487-94-7			
EINECS no.	231-299-8			
Concentration	>= 0.05	<	0.33	%
Classification (Regulation (EC) No. 1272/2008)				
	Repr. 2		H361f	
	Aquatic Chronic 1		H410	
	Aquatic Acute 1		H400	
	Skin Corr. 1B		H314	
	Acute Tox. 2		H300	
	Muta. 2		H341	
	STOT RE 1		H372	

#### **Further ingredients**

##### **Water**

CAS No.	7732-18-5			
EINECS no.	231-791-2			
Concentration		>=	95	%
Advice: [4]				

##### **Sodium sulphate, decahydrate**

CAS No.	7727-73-3			
EINECS no.	231-820-9			
Registration no.	01-2119519226-43-XXXX			
Concentration	>= 1	<	10	%
Advice: [4]				

##### **sodium chloride**

CAS No.	7647-14-5			
EINECS no.	231-598-3			
Concentration		<	1	%
Advice: [4]				

#### **Advice:**

[4] Voluntary information

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Take medical treatment. In any case show the physician the Safety Data Sheet.

#### **After inhalation**

Ensure supply of fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek

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medical advice.

**After skin contact**

Wash off immediately with soap and water and rinse well. Take medical treatment.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.).

**After ingestion**

Never give anything by mouth to an unconscious person. If swallowed, rinse mouth with water (only if the person is conscious). Take medical treatment.

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

Water spray jet, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

**Non suitable extinguishing media**

not applicable

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

Sulfuroxides (SO<sub>x</sub>); In case of combustion evolution of dangerous gases possible. Hydrogen chloride gas; Hydrogen iodide (HI); potassium oxide

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

In case of combustion use a suitable breathing apparatus. Use self-contained breathing apparatus.

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

Wear protective equipment. Do not inhale vapours. Ensure supply of fresh air. Remove persons to safety.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Send in suitable containers for recovery or disposal.

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

Avoid contact with skin, eyes and clothing. Avoid inhaling dusts/ billows/ steams.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Because of its sensitivity to light the product should be kept in brown glass or refined steel containers.

**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****Exposure limit values****Mercury dichloride**

List	SUVA	
Type	MAK	
Value	0.02	mg/m <sup>3</sup>
Short term exposure limit	0.16	mg/m <sup>3</sup>
Skin resorption / sensibilisation: H; Status: 2014; Remarks: B		

**8.2. Exposure controls****General protective and hygiene measures**

General industrial hygiene practice. Wash hands before breaks and after work.

**Respiratory protection**

Full mask; Multi-purpose filter ABEK

**Hand protection**

necessary

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

**Eye protection**

Safety glasses with side protection shield

**Body protection**

Impermeable protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	liquid	
<b>Colour</b>	colourless	
<b>Initial boiling point and boiling range</b>		
Value	100	°C
Source	Estimated value	
<b>Flash point</b>		
Value		°C
Remarks	Not applicable	
<b>Vapour pressure</b>		
Remarks	Not applicable	
<b>Density</b>		
Value	1.014	g/cm <sup>3</sup>

**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Protect from light.

**10.5. Incompatible materials**

Strong oxidising agents, Bases

**SECTION 11: Toxicological information**

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### 11.1. Information on toxicological effects

#### Acute oral toxicity

ATE	413.001	mg/kg
	3	

Method	calculated value (Regulation (EC) No. 1272/2008)	
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#### Acute oral toxicity (Components)

##### sodium chloride

Species	rat	
LD50	3550	mg/kg

##### Mercury dichloride

Species	rat	1	mg/kg
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Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )		
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#### Acute dermal toxicity (Components)

##### sodium chloride

Species	rabbit	
LD50	> 10000	mg/kg

##### Mercury dichloride

Species	rat	
LD50	41	mg/kg

Source	GESTIS-Stoffdatenbank ( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )		
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#### Acute inhalative toxicity (Components)

##### sodium chloride

Species	rat	
LC50	> 42000	mg/m <sup>3</sup>
Duration of exposure	1	h

#### Skin corrosion/irritation

Remarks	Irritating to skin.
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#### Serious eye damage/irritation

Remarks	Irritates the eyes.
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#### Carcinogenicity

Remarks	No evidence available on carcinogenicity.
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#### Other information

Warning - substance not yet fully tested.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Fish toxicity (Components)

##### Sodium sulphate, decahydrate

Species	Gambusia affinis	
LC50	120	mg/l

Duration of exposure	96	h
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Source	IUCLID
Source	auf wasserfreie Substanz bezogen

##### sodium chloride

Species	Bluegill (Lepomis macrochirus)
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LC50	5840		mg/l
Duration of exposure	96	h	

**Mercury dichloride**

LC50	0.214		mg/l
Duration of exposure	Medi 96	h	

Source  
 an  
 GESTIS-Stoffdatenbank  
 (<http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp>)

**Daphnia toxicity (Components)****Sodium sulphate, decahydrate**

Species	Daphnia magna		
EC50	2.564		mg/l
Source	IUCLID		
Source	auf wasserfreie Substanz bezogen		

**sodium chloride**

Species	Daphnia		
NOEC	1500		mg/l
Duration of exposure	7	d	

**sodium chloride**

Species	Daphnia magna		
LC50	1661		mg/l
Duration of exposure	48	h	

**Mercury dichloride**

Species	Daphnia magna		
EC50	0.003		mg/l
Duration of exposure	48	h	

**Algae toxicity (Components)****Mercury dichloride**

EC50	0.1		mg/l
Duration of exposure	72	h	

Source  
 GESTIS-Stoffdatenbank  
 (<http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp>)  
 Source  
 LS-3221-00 Gestis 20160310

**Bacteria toxicity (Components)****Sodium sulphate, decahydrate**

Species	Pseudomonas putida		
	> 1000		
Duration of exposure	16	h	
Source	IUCLID		
Source	auf wasserfreie Substanz bezogen		

**Mercury dichloride**

Species	Pseudomonas putida		
EC5	0.01		mg/l
Duration of exposure	16	h	

**12.2. Persistence and degradability****General information**

For this subsection there is no ecotoxicological data available on the product as such.

**12.3. Bioaccumulative potential****General information**

For this subsection there is no ecotoxicological data available on the product as such.

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## 12.4. Mobility in soil

### General information

For this subsection there is no ecotoxicological data available on the product as such.

## 12.5. Results of PBT and vPvB assessment

### General information

For this subsection there is no ecotoxicological data available on the product as such.

## 12.6. Other adverse effects

### General information

For this subsection there is no ecotoxicological data available on the product as such.

### General information / ecology

Very toxic for aquatic organisms.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site.

#### Disposal recommendations for packaging

Dispose of as unused product.

## SECTION 14: Transport information

### Land transport ADR/RID

#### 14.1. UN number

UN 1624

#### 14.2. UN proper shipping name

MERCURIC CHLORIDE, Solution

#### 14.3. Transport hazard class(es)

Class 6.1

Label 6.1

#### 14.4. Packing group

Packing group II

Limited Quantity 500 g

Transport category 2

Tunnel restriction code D/E

### Marine transport IMDG/GGVSee

#### 14.1. UN number

UN 1624

#### 14.2. UN proper shipping name

MERCURIC CHLORIDE, Solution

#### 14.3. Transport hazard class(es)

Class 6.1

#### 14.4. Packing group

Packing group II

### Air transport ICAO/IATA

#### 14.1. UN number

UN 1624

#### 14.2. UN proper shipping name

MERCURIC CHLORIDE, Solution

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**14.3. Transport hazard class(es)**

Class 6.1

**14.4. Packing group**

Packing group II

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 3

Remarks Classification according to Annex 4 VwVwS

**SECTION 16: Other information****R-phrases listed in Chapter 3**

28	Very toxic if swallowed.
34	Causes burns.
48/24/25	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
62	Possible risk of impaired fertility.
68	Possible risk of irreversible effects.

**Hazard statements listed in Chapter 3**

H300	Fatal if swallowed.
H314	Causes severe skin burns and eye damage.
H341	Suspected of causing genetic defects.
H361f	Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure:
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**CLP categories listed in Chapter 3**

Acute Tox. 2	Acute toxicity, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
STOT RE 1	Specific target organ toxicity - repeated exposure, Category 1

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.