

Trade name: Rgs Löffler Bakterienfärbung

Substance number: 184000

Version: 3 / CH

Date revised: 01.07.2016

Replaces Version: 2 / CH

Print date: 01.07.16

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

### **1.1. Product identifier**

Rgs Löffler Bakterienfärbung  
Item No. 18400000

### **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)  
Flam. Liq. 3 H226

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 \*\*\***

H226 Flammable liquid and vapour.

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

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P243 Take precautionary measures against static discharge.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501.3 Disposal in compliance with local and national regulations.

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

#### **Further ingredients**

##### **Water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	50		%
Advice: [4]					

##### **Ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Concentration		>=	10	<	25 %
Advice: [4]					
Classification	F, R11				

Classification (Regulation (EC) No. 1272/2008)  
 Flam. Liq. 2 H225

##### **methylthioninium chloride**

CAS No.	61-73-4				
EINECS no.	200-515-2				
Concentration		<	1		%
Advice: [4]					
Classification	Xn, R22				

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

##### **Potassium hydroxide**

CAS No.	1310-58-3				
EINECS no.	215-181-3				
Registration no.	01-2119487136-33-XXXX				
Concentration		<	1		%
Advice: [4]					
Classification	Xn, R22 C, R35				

Classification (Regulation (EC) No. 1272/2008)  
 Acute Tox. 4 H302  
 Skin Corr. 1A H314

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315	>= 0.5 < 2
Eye Irrit. 2	H319	>= 0.5 < 2
Skin Corr. 1A	H314	>= 5
Skin Corr. 1B	H314	>= 2 < 5

##### **Methanol**

CAS No.	67-56-1				
EINECS no.	200-659-6				
Registration no.	01-2119433307-44-XXXX				
Concentration		<	1		%
Advice: [4]					

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

Flam. Liq. 2	H225	
Acute Tox. 3	H331	Route of exposure: inhalative
Acute Tox. 3	H311	Route of exposure: dermal
Acute Tox. 3	H301	Route of exposure: oral
STOT SE 1	H370	Eyes; Route of exposure: oral

## Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 1	H370	>= 10
STOT SE 2	H371	>= 3 < 10

**Advice:**

[4] Voluntary information

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

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment. Irregular breathing/no breathing: artificial respiration.

**After skin contact**

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

**After ingestion**

Consult a physician if necessary. Rinse out mouth and give plenty of water to drink.

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

Water spray jet, Carbon dioxide, Alcohol-resistant foam, Dry powder, Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

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

In the event of a fire, toxic and combustible gases can be formed. ; In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

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

Wear full protective suit. Use self-contained breathing apparatus.

**Other information**

Cool endangered containers with water spray jet.

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

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Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

## 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal. Clean up affected area.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Keep away from heat and sources of ignition. Take precautionary measures against static discharge.

### 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.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### Ethanol

List	SUVA			
Type	MAK			
Value	960	mg/m <sup>3</sup>	500	ppm(V)
Short term exposure limit	1920	mg/m <sup>3</sup>	1000	ppm(V)
Pregnancy group: S; Status: 2014				

### 8.2. Exposure controls

#### General protective and hygiene measures

Avoid any contact with the body. Observe the usual precautions for handling chemicals. Keep away from food-stuffs, beverages and feed-stocks.

#### Respiratory protection

necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

#### Hand protection

Appropriate Material                      Gloves / resistant to chemicals

#### Eye protection

Tightly fitting safety glasses

#### Body protection

Fire-resistant protective clothing

## SECTION 9: Physical and chemical properties

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

**Form**    liquid, clear

**Colour**     dark blue

**Odour**    odourless

#### Initial boiling point and boiling range

Value    > 78    °C

Source    GESTIS-Stoffdatenbank

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	( <a href="http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp">http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp</a> )	
<b>Flash point</b>		
Value	> 24	°C
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> )	
<b>Vapour pressure</b>		
Value	< 5.8	kPa
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> )	
<b>Density</b>		
Value	0.97	g/cm <sup>3</sup>
Remarks	Relative Density according specification	
<b>Solubility in water</b>		
Remarks	soluble	

## **SECTION 10: Stability and reactivity**

### **10.4. Conditions to avoid**

Heat

### **10.5. Incompatible materials**

Alkaline metals, Ammonia, peroxides, Oxidising agents

### **10.6. Hazardous decomposition products**

Hazardous determin decomposition products: Carbon monoxide, Carbon dioxide, Flammable gases/vapours

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute oral toxicity (Components)**

##### **methylthioninium chloride**

Species	rat		
LD50		1180	mg/kg
Remarks	anhydrous		
Source	RTECS		

#### **Skin corrosion/irritation**

Remarks Irritating effects on the skin and mucous membrane.

#### **Serious eye damage/irritation**

Remarks Eye contact with the product may lead to irritation.

#### **Experience in practice**

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

#### **Other information**

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

Product specific toxicological data are not known.

## **SECTION 12: Ecological information**

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**12.1. Toxicity****Fish toxicity (Components)****methylthioninium chloride**

Species	Fathead minnow (Pimephales promelas)	
LC50	45	mg/l

**Daphnia toxicity (Components)****methylthioninium chloride**

Species	Daphnia magna	
EC50	2260	mg/l
Duration of exposure	48	h

**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow) (Components)****methylthioninium chloride**

log Pow	5.85
Method	calculated
Source	Literature value

**12.6. Other adverse effects****General information / ecology**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Dispose of as unused product.

**SECTION 14: Transport information \*\*\*****Land transport ADR/RID \*\*\*****14.1. UN number**

UN 1993

**14.2. UN proper shipping name**

FLAMMABLE LIQUID, N.O.S. (Ethanol)

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

Class	3
Label	3

**14.4. Packing group**

Packing group	III
Special provision	640E
Limited Quantity	5 I
Transport category	3
Tunnel restriction code	D/E

**Marine transport IMDG/GGVSee \*\*\*****14.1. UN number**

UN 1993

**14.2. UN proper shipping name**

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FLAMMABLE LIQUID, N.O.S. (Ethanol)

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

Class 3

**14.4. Packing group**

Packing group III

**Air transport ICAO/IATA \*\*\*****14.1. UN number**

UN 1993

**14.2. UN proper shipping name**

FLAMMABLE LIQUID, N.O.S. (Ethanol)

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

Class 3

**14.4. Packing group**

Packing group III

**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 WGK 3

(Germany)

Remarks

Classification according to Annex 4 VwVwS

**SECTION 16: Other information****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.