

Trade name: Rgs Türk z Leukozytenzählung

Substance number: 184800

Version: 3 / CH

Date revised: 08.04.2016

Replaces Version: 2 / CH

Print date: 08.04.16

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

1.1. Product identifier

Rgs Türk z Leukozytenzählung
Item No. 18480000

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

Use of the substance/preparation

In Vitro Diagnostic Medical Device, Reagent for analyses

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

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

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

Supplemental information

EUH210 Safety data sheet available on request.

2.3. Other hazards

The product does not require a hazard warning label in accordance with Directive 67/548/EC

SECTION 3: Composition/information on ingredients

Chemical characterization

Alcoholic solution

Hazardous ingredients (Regulation (EC) No. 1272/2008)

Acetic acid

CAS No.	64-19-7			
EINECS no.	200-580-7			
Registration no.	01-2119475328-30-XXXX			
Concentration	>= 1	<	3	%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1A		H314	
	Flam. Liq. 3		H226	

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

	Eye Irrit. 2	H319	>= 10 < 25
	Skin Corr. 1A	H314	>= 90
	Skin Corr. 1B	H314	>= 25 < 90
	Skin Irrit. 2	H315	>= 10 < 25
DSD	Directive 67/548/EEC, Annex I, Note B		
CLP	Regulation (EC) No 1272/2008, Annex VI, Note B		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air.

After skin contact

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Drink water in small gulps. By continuous complaints consult a physician.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

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6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal". Clean up affected area.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

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

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value	15	25	°C
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Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Acetic acid**

List	SUVA			
Type	MAK			
Value	25	mg/m ³	10	ppm(V)
Short term exposure limit	50	mg/m ³	20	ppm(V)
Pregnancy group: S; Status: 2014				

Other information

There are not known any further control parameters.

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

Wash hands before breaks and after work.

Respiratory protection

Do not breathe vapours, dust or aerosol.

Hand protection

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.

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm

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Breakthrough time > 480 min

Eye protection

Tightly fitting safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form** Solution**Colour** violet**Odour threshold**

Remarks not determined

pH value

Value 2.5 to 4

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Value appr. 100 °C

Flash point

Value °C

Remarks Not applicable

Evaporation rate (ether = 1) :

Remarks not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks Not applicable

Vapour density

Remarks not determined

Density

Remarks not determined

Solubility in water

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

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Viscosity

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information**Other information**

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactions known.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

None known

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Remarks not determined

Acute oral toxicity (Components)**Acetic acid**

Species	rat		
LD50		3310	mg/kg

Acute dermal toxicity

ATE	>	10'000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute dermal toxicity (Components)**Acetic acid**

Species	rabbit		
LD50		1112	mg/kg
Source	Sigma/Aldrich		

Acute inhalational toxicity

Remarks not determined

Acute inhalative toxicity (Components)**Acetic acid**

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Species	rat		
LC50	11.4		mg/l
Duration of exposure	4	h	

Acetic acid

Species	mouse		
LC50	5620		ppm(V)
Duration of exposure	1	h	
Source	Sigma/Aldrich		

Skin corrosion/irritation

Remarks not determined

Serious eye damage/irritation

Remarks not determined

Sensitization

Remarks not determined

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Other information

Observe the usual precautions for handling chemicals.

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

not determined

Fish toxicity (Components)**Acetic acid**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	> 300.8		mg/l
Duration of exposure	96	h	
Method	OECD 203		

Daphnia toxicity (Components)**Acetic acid**

Species	Daphnia magna		
EC50	47		mg/l
Duration of exposure	24	h	
Source	Merck KGaA Safety Data Sheet		

Acetic acid

Species	Daphnia magna		
EC50	> 300.82		mg/l
Duration of exposure	48	h	
Method	OECD 202		
Source	Sigma/Aldrich		

Algae toxicity (Components)

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Acetic acid

Species	Scenedesmus quadricauda	
IC5	4000	mg/l
Duration of exposure	16	h

Bacteria toxicity (Components)**Acetic acid**

Species	Pseudomonas putida	
EC5	2850	mg/l
Duration of exposure	16	h

Acetic acid

Species	Photobacterium phosphoreum	
EC50	11	mg/l
Duration of exposure	15	min

12.2. Persistence and degradability**General information**

not determined

Biodegradability (Components)**Acetic acid**

Value	99	%
Duration of test	30	d
evaluation	Readily biodegradable	

Acetic acid

Value	95	%
Duration of test	5	d
Method	OECD 302B/ISO 9888/EEC 88/302,C	

Biochemical oxygen demand (BOD5) (Components)**Acetic acid**

Value	880	mg/kg
Source	Sigma/Aldrich	

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**Acetic acid**

log Pow	-0.17	
Temperature	25	°C
Source	Sigma/Aldrich	

12.4. Mobility in soil**General information**

not determined

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

not determined

12.6. Other adverse effects

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General information

not determined

General information / ecology

Ecological data are not available. Ecological injuries are not known or expected under normal use.

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**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

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

National regulations Switzerland

SFOPH T no. 611500

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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

10 Flammable.

35 Causes severe burns.

Hazard statements listed in Chapter 3

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

CLP categories listed in Chapter 3

Flam. Liq. 3 Flammable liquid, Category 3

Skin Corr. 1A Skin corrosion, Category 1A

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

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guarantee for any specific product properties and shall not establish a legally valid relationship.