

Trade name: Rgs Türk z Leukozytenzählung

Substance number: 184800

Version: 5 / CH

Date revised: 19.09.2025

Replaces Version: 4 / CH

Print date: 19.09.25

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/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

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.

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

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Chemical characterization**

Alcoholic solution

Hazardous ingredients *****acetic acid**

CAS No. 64-19-7

EINECS no. 200-580-7

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Registration no. 01-2119475328-30-XXXX
 Concentration ≥ 1 < 3 %
 Classification (Regulation (EC) No. 1272/2008)
 Flam. Liq. 3 H226
 Skin Corr. 1A H314

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

Eye Irrit. 2 H319 $\geq 10 < 25$ %
 Skin Corr. 1A H314 ≥ 90 %
 Skin Corr. 1B H314 $\geq 25 < 90$ %
 Skin Irrit. 2 H315 $\geq 10 < 25$ %

ATE dermal 1'112 mg/kg

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B

Further ingredients**water**

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

C.I. Basic Violet 3

CAS No. 548-62-9
 EINECS no. 208-953-6
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Acute Tox. 4 H302
 Eye Dam. 1 H318
 Carc. 2 H351
 Aquatic Acute 1 H400
 Aquatic Chronic 1 H410

4,4'-bis(dimethylamino)benzophenone

CAS No. 90-94-8
 EINECS no. 202-027-5
 Concentration < 1 %
 Advice: [4]
 Classification (Regulation (EC) No. 1272/2008)
 Eye Dam. 1 H318
 Muta. 2 H341
 Carc. 1B H350

Note

[4] Voluntary information

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.

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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.

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.

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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.

Storage classes

Storage class according to TRGS 510	12	Non-combustible liquids
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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 Remarks: SSc; OAW Auge; NIOSH OSHA				

Other information

There are not known any further control parameters.

Derived No/Minimal Effect Levels (DNEL/DMEL)

acetic acid

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	25	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	25	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	25	mg/m ³

Predicted No Effect Concentration (PNEC)

acetic acid

Type	Soil
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Concentration	0.478	mg/kg
Type	Saltwater	
Concentration	0.3058	mg/l
Type	Freshwater	
Concentration	3.058	mg/l
Type	Marine sediment	
Concentration	1.136	mg/kg
Type	Sediment	
Concentration	11.36	mg/kg
Type	Sewage treatment plant (STP)	
Concentration	85	mg/l
Conditions	Intermittend	
Concentration	30.58	mg/l

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	
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

Physical state	Solution	
Colour	violet	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Boiling point or initial boiling point and boiling range		
Value	appr. 100	°C
Flammability		
evaluation	not determined	

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Upper and lower explosive limits

Remarks not determined

Flash point

Value °C

Remarks Not applicable

Auto-ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

pH value

Value 2.5 to 4

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks Not applicable

Density and/or relative density

Remarks not determined

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

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.

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10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

Remarks Based on available data, the classification criteria are not met.

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

Species	rat		
LD50		3310	mg/kg

acetic acid

Species	rat		
LD50		3530	mg/kg

Acute dermal toxicity

ATE	>	10'000	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)		
Remarks	Based on available data, the classification criteria are not met.		

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

Species	rabbit		
LD50		1112	mg/kg

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

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

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	

acetic acid

Species	rat		
LC50	>	40	mg/l
Duration of exposure	4	h	

Skin corrosion/irritation

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation (Components)**acetic acid**

Species	rabbit
evaluation	strongly corrosive

Serious eye damage/irritation

Remarks Based on available data, the classification criteria are not met.

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Serious eye damage/irritation (Components)**acetic acid**

Species	rabbit
evaluation	irritant - risk of serious damage to eyes

Sensitization

Remarks	Based on available data, the classification criteria are not met.
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Sensitization (Components)**acetic acid**

Remarks	No data available.
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Subacute, subchronic, chronic toxicity

Remarks	not determined
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Subacute, subchronic, chronic toxicity (Components)**acetic acid**

Remarks	No data available.
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Mutagenicity

Remarks	Based on available data, the classification criteria are not met.
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Mutagenicity (Components)**acetic acid**

evaluation	No experimental indications on genotoxicity in vivo found.
Method	OECD 474

acetic acid

Species	mammal, species unspecified
evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 476

Reproductive toxicity

Remarks	Based on available data, the classification criteria are not met.
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Carcinogenicity

Remarks	Based on available data, the classification criteria are not met.
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Carcinogenicity (Components)**acetic acid**

Remarks	negative on animals
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Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks	Based on available data, the classification criteria are not met.
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Repeated exposure

Remarks	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT) (Components)**acetic acid**

Remarks	Based on available data, the classification criteria are not met.
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Aspiration hazard

Remarks	Based on available data, the classification criteria are not met.
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11.2. Information on other hazards**Endocrine disrupting properties with respect to humans**

Remarks	The product does not contain a substance that has endocrine disrupting properties with respect to humans.
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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

acetic acid

Species	Daphnia magna	
EC50	> 300.82	mg/l
Duration of exposure	48	h
Method	OECD 201	

Algae toxicity (Components)**acetic acid**

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

acetic acid

Species	Skeletonema costatum	
EC50	> 300.82	mg/l
Duration of exposure	72	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

acetic acid

Species	Pseudomonas putida	
EC10	1000	mg/l
Duration of exposure	0.5	h

12.2. Persistence and degradability**General information**

not determined

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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/g
Duration of test	5	d

12.3. Bioaccumulative potential**General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

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

log Pow	-0.17	
Temperature	25	°C

12.4. Mobility in soil**General information**

not determined

Mobility in soil (Components)**acetic acid**

Mobile in soils

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

not determined

Results of PBT and vPvB assessment

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**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

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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 ***	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.
14.5. Environmental hazards	-		

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 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

National regulations Switzerland

SFOPH T no. 611500

Other information ***The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of $\geq 0.1\%$ w/w.**15.2. Chemical safety assessment**

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

SECTION 16: Other information**Hazard statements listed in Chapter 2/3**

H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.

CLP categories listed in Chapter 2/3

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