

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

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

1.1. Product identifier

Rgs Gram IA

Item No. 18100000

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

Use of the substance/preparation

In Vitro Diagnostic Medical Device, analytics

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)

Aquatic Chronic 3 H412

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 statements ***

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements ***

P273 Avoid release to the environment.

P501.3 Disposal in compliance with local and national regulations.

SECTION 3: Composition/information on ingredients ***

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

C.I. Basic Violet 3

CAS No. 548-62-9

EINECS no. 208-953-6

Concentration < 1 %

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

Carc. 2 H351

Acute Tox. 4 H302

Eye Dam. 1 H318

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Phenol

CAS No.	108-95-2		
EINECS no.	203-632-7		
Concentration		<	1 %
Classification (Regulation (EC) No. 1272/2008)			
Acute Tox. 3		H301	
STOT RE 2		H373	
Skin Corr. 1B		H314	
Muta. 2		H341	
Acute Tox. 3		H331	
Acute Tox. 3		H311	

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

Eye Irrit. 2	H319	>= 1 < 3
Skin Irrit. 2	H315	>= 1 < 3
Skin Corr. 1B	H314	>= 3

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

Remove contaminated, soaked clothing immediately and dispose of safely. In case of accident or if you feel unwell, seek medical advice immediately.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water. Consult a doctor if skin irritation persists.

After eye contact

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

After ingestion

Rinse mouth thoroughly with water. Take medical treatment.

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

Extinguishing measures to suit surroundings

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

Use self-contained breathing apparatus.

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

Avoid contact with eyes and skin. Remove persons to safety. Use personal protective clothing.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

case the product spills into sewage waters, immediately inform the authorities.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. 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

Observe the usual precautions for handling chemicals.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed. Protect from light.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Ethanol

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

Phenol

List	SUVA			
Type	MAK			
Value	19	mg/m ³	5	ppm(V)
Short term exposure limit	19	mg/m ³	5	ppm(V)
Skin resorption / sensibilisation: H; Status: 2014; Remarks: B				

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals. Avoid any contact with the body.

Respiratory protection

necessary

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

Eye protection

Safety glasses

Body protection

necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form liquid, clear

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

Colour	dark violet
pH value	
Remarks	No data available
Initial boiling point and boiling range	
Value	appr. 100
Source	Estimated value
Flash point	
Value	°C
Remarks	Not applicable
Vapour pressure	
Remarks	No data available
Density	
Value	appr. 0.99 g/cm ³
Decomposition temperature	
Remarks	No data available

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Decomposition temperature

Remarks No data available

10.6. Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

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

Acute oral toxicity (Components)

Phenol

Species	rat	
LD50	317	mg/kg
Remarks	Ingestion causes burns of the upper digestive and respiratory tracts.	
Source	RTECS	

Phenol

Species	Human	
LDLo	140	mg/kg
Source	RTECS	

C.I. Basic Violet 3

Species	mouse	
LD50	96	mg/kg

C.I. Basic Violet 3

Species	rabbit	
LD50	150	mg/kg
Source	Sigma/Aldrich	

Acute dermal toxicity

ATE	> 10'000	mg/kg
-----	----------	-------

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

Method calculated value (Regulation (EC) No. 1272/2008)

Acute dermal toxicity (Components)**Phenol**

Species	rat	660	mg/g
Method	OECD 402		
Remarks	Danger of resorption through the skin.		

Acute inhalational toxicity

ATE	> 20	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute inhalative toxicity (Components)**Phenol**

Species	rat	0.316	mg/l
Duration of exposure	4	h	
Method	OECD 403		
Remarks	Harmful by inhalation.		
Source	RTECS		

Skin corrosion/irritation

Remarks No data available.

Serious eye damage/irritation

Remarks No data available.

Mutagenicity (Components)**Phenol**

Species	Salmonella typhimurium
Method	Ames test
Remarks	negative

Phenol

Species evaluation	mammal, species unspecified
Method	Information on genotoxicity in vitro available.
Source	OECD 473
	Safety Data Sheet Supplier

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks No data available.

Fish toxicity (Components)**Phenol**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	5	mg/l
Source	Ecotox Database	

Phenol

Species	guppy (<i>Poecilia reticulata</i>)	
NOEC	4	mg/l
Duration of exposure	14	d

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

Method OECD 204

Daphnia toxicity (Components)**Phenol**

Species	Daphnia		
EC5	33		mg/l
Duration of exposure	72	h	
Source	IUCLID		

Phenol

Species	Ceriodaphnia spec		
EC50	3.1		mg/l
Duration of exposure	48	h	
Source	US-EPA		

Phenol

Species	Daphnia magna		
EC10	0.46		mg/l
Duration of exposure	16	d	
Source	ECHA		

C.I. Basic Violet 3

Species	Daphnia magna		
EC50	0.35		mg/l
Duration of exposure	48	h	
Method	OECD 202		
Source	Sigma/Aldrich		
Source	LS-5325-00 SDB Sigma Aldrich 20141207		

Algae toxicity (Components)**Phenol**

Species	Scenedesmus quadricauda		
	7.5		mg/l
Duration of exposure	8	d	
Source	IUCLID		
Source	LS-3064 SDB Merck 20140714		

Phenol

Species	Pseudokirchneriella subcapitata		
EC50	61.1		mg/l
Source	LS-3064 SDB Merck 20140714		

C.I. Basic Violet 3

Species	Pseudokirchneriella subcapitata		
EC50	0.42		mg/l
Method	OECD 201		
Source	Sigma/Aldrich		
Source	LS-5325-00 SDB Sigma Aldrich 20141207		

Bacteria toxicity (Components)**Phenol**

Species	Pseudomonas putida		
EC5	64		mg/l
Duration of exposure	16	h	
Source	IUCLID		

Phenol

Species	activated sludge		
	766		mg/l
Duration of exposure	3	h	
Method	OECD 209		
Source	LS-3064 SDB Merck 20140714		

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Replaces Version: 2 / CH

Date revised: 13.05.2016

Print date: 13.05.16

12.2. Persistence and degradability

Biodegradability (Components)

Phenol

Value	100	%
Duration of test evaluation	6 d	
Method	OECD 302B/ISO 9888/EEC 88/302,C	
Remarks	good degradability Grade of elimination: > 70%	

Phenol

Value	85	%
Duration of test evaluation	14 d	
Method	OECD 301C	
	Readily biodegradable	

Phenol

Value	62	%
Duration of test evaluation	100 h	
Method	OECD 301C	
	Readily biodegradable	

Chemical oxygen demand (COD) (Components)

Phenol

Value	2300	mg/g
Source	IUCLID	

Biochemical oxygen demand (BOD5) (Components)

Phenol

Value	1680	mg/g
Duration of test	5 d	
Source	IUCLID	

12.3. Bioaccumulative potential

Octanol/water partition coefficient (log Pow) (Components)

Phenol

log Pow	1.47	
Temperature	30	°C
Source	ECHA	

12.6. Other adverse effects

General information / ecology

Do not allow it to reach soil, 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

Non-dangerous goods

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Date revised: 13.05.2016

Replaces Version: 2 / CH

Print date: 13.05.16

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 (Germany)	WGK 3
Remarks	Classification according to Annex 4 VwVwS

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

22	Harmful if swallowed.
23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
40	Limited evidence of a carcinogenic effect.
41	Risk of serious damage to eyes.
48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
68	Possible risk of irreversible effects.

Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H373	May cause 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. 3	Acute toxicity, Category 3
Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2

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.

Trade name: Rgs Gram IA

Substance number: 181000

Version: 3 / CH

Replaces Version: 2 / CH

Date revised: 13.05.2016

Print date: 13.05.16