

Trade name: Rgs Gram II

Substance number: 181050

Version: 3 / CH

Date revised: 15.01.2016

Replaces Version: 2 / CH

Print date: 15.01.16

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

1.1. Product identifier

Rgs Gram II
Item No. 18105000

Registration no.

EC No.: 235-567-5
CAS No. 12298-68-9

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 sdb@haenseler.ch
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

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

Supplemental information

EUH210 Safety data sheet available on request.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product does not require a hazard warning label in accordance with EC directives/the relevant national laws.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

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

Iodine

CAS No.	7553-56-2			
EINECS no.	231-442-4			
Concentration		<	1	%
Classification	Xn, R20/21 N, R50			

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

Acute Tox. 4 H332

Acute Tox. 4 H312

Aquatic Acute 1 H400

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

No special measures necessary.

After inhalation

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

After skin contact

In case of contact with skin wash off with water.. Consult a doctor if skin irritation persists.

After eye contact

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

After ingestion

Rinse mouth thoroughly with water.. By continuous complaints consult a physician.

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

Until now no symptoms known so far.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

not applicable

Non suitable extinguishing media

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

5.2. Special hazards arising from the substance or mixture

The product is not combustible.; In the event of fire the following can be released:; Iodine

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.. Suppress vapours with water spray jet.

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).. Clean up affected area.. When picked up, treat material as prescribed under Section 13 "Disposal".

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6.4. Reference to other sections

Dangerous substances are not released.

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

Avoid contact with skin, eyes and clothing.. Observe the usual precautions for handling chemicals.. Keep container tightly closed.

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

No special requirements.

Hints on storage assembly

Not required.

Storage class according to TRGS 510

Storage class according to TRGS 510 10-13 Other combustible and non-combustible substances

Further information on storage conditions

Do not keep at temperatures above 25 °C.. Keep container tightly closed.. Protect from light.

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

List	SUVA			
Type	MAK			
Value	1	mg/m ³	0.1	ppm(V)
Short term exposure limit	1	mg/m ³	0.1	ppm(V)
Skin resorption / sensibilisation: H; Status: 2014				

Derived No/Minimal Effect Levels (DNEL/DMEL)**Iodine****8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of vapours.

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

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Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry.; Protective clothing

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

Form	liquid, clear
Colour	dark brown
Odour	characteristic
Initial boiling point and boiling range	
Value	appr. 100 °C
Flash point	
Remarks	Not applicable
Upper/lower flammability or explosive limits	
Remarks	Not applicable
Vapour pressure	
Remarks	Not applicable
Explosive properties	
evaluation	Not applicable
Oxidising properties	
Remarks	Not applicable

9.2. Other information**Burning test**

Remarks non flammable

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

None known

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Protect from light.

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

In the event of fire the following can be released:., Iodine

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Skin corrosion/irritation**

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Remarks No data available.

Serious eye damage/irritation

Remarks No data available.

Sensitization

Remarks No sensitisation effect known.

Mutagenicity

Remarks None

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

There is no data available on the product apart from the information given in this subsection.

Fish toxicity

Remarks No data available.

12.2. Persistence and degradability**General information**

There is no data available on the product apart from the information given in this subsection.

Biodegradability

Remarks No data available.

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 / ecology**

There is no data available on the product apart from the information given in this subsection.

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**

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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**20/21 Harmful by inhalation and in contact with skin.
50 Very toxic to aquatic organisms.**Hazard statements listed in Chapter 3**H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.**CLP categories listed in Chapter 3**Acute Tox. 4 Acute toxicity, Category 4
Aquatic Acute 1 Hazardous to the aquatic environment, acute, 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.