

Trade name: Rgs Gram III

Substance number: 181100

Version: 5 / CH

Date revised: 13.05.2016

Replaces Version: 4 / CH

Print date: 13.05.16

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

1.1. Product identifier

Rgs Gram III

Item No. 18110000

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 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

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

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

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

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 ***

Danger

Hazard statements ***

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements ***

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

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

contains Acetone

Supplemental information

EUH066

Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Acetone**

CAS No. 67-64-1

EINECS no. 200-662-2

Concentration >= 25 < 50 %

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

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

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

Take off contaminated clothing and shoes immediately.

After inhalation

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

After skin contact

Wash immediately with plenty of water for several minutes. Take medical treatment.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

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

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

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Provide adequate ventilation.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

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

Keep in a cool place.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed, cool and dry.

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

List	SUVA			
Type	MAK			
Value	1200	mg/m ³	500	ppm(V)
Short term exposure limit	2400	mg/m ³	1000	ppm(V)
Status: 2014; Remarks: B				

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				

8.2. Exposure controls**Exposure controls**

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

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Use barrier skin cream. Wash hands before breaks and after work.

Respiratory protection

necessary; Gas filterAX.

Hand protection

Protective gloves

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Appropriate Material	Butyl rubber		
Material thickness	0.7	mm	
Breakthrough time	>= 480	min	

Eye protection

Tightly fitting safety glasses

Body protection

Protective clothing

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

Form	Liquid
Colour	clear
Odour	acetone-like
Odour	alcohol-like

Initial boiling point and boiling range

Value	appr. 56	to	78	°C
Remarks	undiluted product			
Source	GESTIS-Stoffdatenbank (http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp)			

Flash point

Value	appr. -20	to	12	°C
Method	closed cup			
Remarks	undiluted product			
Source	GESTIS-Stoffdatenbank (http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp)			

Vapour pressure

Value	appr. 246	to	58	hPa
Temperature	20	°C		
Remarks	undiluted product			
Source	GESTIS-Stoffdatenbank (http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp)			

Density

Value	0.805
Temperature	20 °C
Remarks	Relative Density according specification

9.2. Other information**Other information**

The product is not dangerous for explosions. Forms explosive mixture with air are possible.

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Alkaline metals, Reactions with earth alkali metals. Oxidising agents, peroxides, Halogens

10.6. Hazardous decomposition products

No data available.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Acetone

Species	rat		
LD50	5800		mg/kg
Method	OECD 401		

Acute dermal toxicity (Components)

Acetone

Species	rabbit		
LD50	> 15800		mg/kg

Acute inhalative toxicity (Components)

Acetone

Species	rat		
LC50	appr. 76		mg/l
Duration of exposure	4	h	

Skin corrosion/irritation

evaluation	slightly irritant
Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.
Source	Safety Data Sheet Supplier

Serious eye damage/irritation

evaluation	irritant
Source	Safety Data Sheet Supplier

Sensitization

Remarks	No sensitation effect known.
Source	Safety Data Sheet Supplier

Mutagenicity (Components)

Acetone

evaluation	No mutagenicity according to various in vitro tests.
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Experience in practice

Irritates the mucous membrane. May lead to drowsiness and unconsciousness.

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity (Components)

Acetone

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	5540		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

Acetone

Species	Daphnia magna		
LC50	8000		mg/l

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Duration of exposure 48 h

Algae toxicity (Components)**Acetone**

NOEC 430 mg/l

Duration of exposure 96 h

Bacteria toxicity (Components)**Acetone**Species activated sludge
1000 mg/l

Duration of exposure 0.5 h

Method OECD 209

12.2. Persistence and degradability**Biodegradability**

Remarks The product is biodegradable.

Source Safety Data Sheet Supplier

Biodegradability (Components)**Acetone**

Value 91 %

Duration of test 28 d

evaluation Readily biodegradable

Method OECD 301 B

Chemical oxygen demand (COD) (Components)**Acetone**

Value 2100 mg/g

Biochemical oxygen demand (BOD5) (Components)**Acetone**

Value 1900 mg/g

Duration of test 5 d

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

log Pow -0.24

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 ***

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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 II

Special provision 640D

Limited Quantity 1 I

Transport category 2

Tunnel restriction code D/E

Marine transport IMDG/GGVSee *****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 II

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 II

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 Classification according to Annex 4 VwVwS

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

11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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CLP categories listed in Chapter 3

Eye Irrit. 2

Flam. Liq. 2

STOT SE 3

Eye irritation, Category 2

Flammable liquid, Category 2

Specific target organ toxicity - single exposure, Category 3

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.