Trade name: Rgs Gram III

Substance number: 181100

Version: 5 / CH Replaces Version: 4 / CH Date revised: 13.05.2016 Print date: 13.05.16

HANSELER

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 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)

H225
H319
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.

P305+P351+P338 IF IN EYES: Rinse cutiously with water for several minutes. Remove contal 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 50 Concentration >= 2.5 50 % Classification (Regulation (EC) No. 1272/2008) Flam. Liq. 2 H225 Eye Inrit. 2 H236 SECTION 4: First aid measures General information Take off contaminated clothing and shoes immediately. After skin contact Wash immediately with plenty of water for several minutes. Take medical treatment. After skin contact Wash immediately with plenty of water for several minutes. Take medical treatment. After sine output outh and give plenty of water for several minutes. Take medical treatment. After skin contact Besparate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately. After	SWISS PHARMA	ccordance with regulation (EC) No 1907/2006	ifety data sheet in accord		
Pages Version: 4 / CH Print date: Page Page Page Page Page Page Page Page		ז ווו	ade name: Rgs Gram III		
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Use self-contained breathing apparatus. Wear full protective suit.		efighters	3.3. Advice for firefigh		
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SECTION 6: Accidental release measures		cidental release measures	ECTION 6: Accide		



Trade name: Rgs Gram III

Substance number: 181100

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Date revised: 13.05.2016 Print date: 13.05.16

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 SUVA List MAK Type 1200 500 Value mg/m³ ppm(V)Short term exposure limit 2400 mg/m³ 1000 ppm(V)Status: 2014; Remarks: B Ethanol **SUVA** List Type MAK Value 960 mg/m³ 500 ppm(V) Short term exposure limit 1920 mg/m³ 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

Safety data sheet in accordance w	ith regulation	on (EC) N	1907/2	006		
Frade name: Rgs Gram III						
Substance number: 181100	,	Version:	5 / CH			Date revised: 13.05.201
		Replaces	Version:	4 / CH		Print date: 13.05.1
Annual dista Matarial	Durturi mula					
Appropriate Material Material thickness	Butyl rubl	ber .7	mm			
Breakthrough time		., 80	min			
Eye protection						
Tightly fitting safety glasses						
• • • • • •)					
Body protection						
Protective clothing						
SECTION 9: Physical and	d chemio	cal pro	perties	S		
9.1. Information on basic ph		-	-		i	
Form	Liquid		•	•		
Colour	clear					
Odour	acetor	ne-like				
Odour	alcoho	ol-like				
Initial boiling point and bo	iling rang	е				
Value	appr.	56	to	78	°C	
Remarks		ted produ	ct			
Source		IS-Stoffda				
	(http://	/www.dgu	v.de/ifa/d	le/gestis/s	stoffdb/index.j	sp)
Flash point						
Value	appr.	-20	to	12	°C	
Method	closed					
Remarks		ted produ IS-Stoffda				
Source				la/aactic/a	stoffdb/index.j	en)
Vanour prossuro	(intp.//	www.ugu	w.ue/iia/u	ie/yestis/a	stonub/index.j	5P)
Vapour pressure Value	oppr	246	to	EO	hPa	
Temperature	appr.	246 20	to °C	58	nea	
Remarks	undilu	ted produ	-			
Source		IS-Stoffda				
	(http://	/www.dgu	v.de/ifa/d	le/gestis/s	stoffdb/index.j	sp)
Density						
Value		0.805				
Temperature		20	°C			
Remarks	Relati	ve Densit	y accordii	ng specifi	cation	
9.2. Other information						
Other information						
The product is not dangero	us for explo	sions. For	ms esplo	sive mixtı	ure with air are	e possible.

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.

Safety data sheet in accordance	with regula	ation (EC)) No 1907/2006	
Trade name: Rgs Gram III				
Substance number: 181100			:5 / CH es Version:4 / CH	Date revised: 13.05.2010 Print date: 13.05.1
		періас		Finit date: 13.05.1
SECTION 11: Toxicolog	ical info	ormatic	<u>on</u>	
11.1. Information on toxico	ological e	effects		
Acute oral toxicity (Com	ponents)			
Acetone				
Species	rat	5000		
LD50 Method	OECD	5800		mg/kg
Acute dermal toxicity (C	omponen	15)		
Acetone	rabbit			
Species LD50	rabbit >	15800		mg/kg
Acute inhalative toxicity	-			ing/itg
-	(compoi	ients)		
Acetone Species	rat			
LC50	appr.	76		mg/l
Duration of exposure	appir	4	h	
Skin corrosion/irritation				
evaluation	slightly	/ irritant		
Remarks	Repea the ski	ited and pi n.	-	may lead to defatting and irritation of
Source	-	Data She	et Supplier	
Serious eye damage/irri	tation			
evaluation Source	irritant Safety		et Supplier	
Sensitization				
Remarks			ffect known.	
Source	•	Data She	et Supplier	
Mutagenicity (Compone	nts)			
Acetone				
evaluation	No mu	itagenicity	according to various	in vitro tests.
Experience in practice				
Irritates the mucous mem	brane. May	/ lead to d	rowsiness and uncon	sciousness.
Other information				
Observe the usual precau	utions for ha	andling ch	emicals.	
SECTION 12: Ecologica	l inforn	nation		
12.1. Toxicity				
Fish toxicity (Componer	nts)			
Acetone				
Species	rainbo	w trout (O	ncorhynchus mykiss)	
LC50		5540	, ,,,,,,,,,,.,,	mg/l
Duration of exposure		96	h	
Daphnia toxicity (Compo	onents)			
Acetone				
Species	Daphn	ia magna		
LC50		8000		mg/l

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Substance number: 181100		Version			Date revised: 13.05.201
		Replace	es Version: 4 / Cl	H	Print date: 13.05.
Duration of exposure		48	h		
Algae toxicity (Compone	ents)				
Acetone					
NOEC		430		mg/l	
Duration of exposure		96	h		
Bacteria toxicity (Compo	onents)				
Acetone					
Species	activate	ed sludge 1000		mg/l	
Duration of exposure		0.5	h	ing/i	
Method	OECD	209			
12.2. Persistence and deg	radability				
Biodegradability	,				
Remarks	The pro	oduct is bi	odegradable.		
Source			et Supplier		
Biodegradability (Comp	onents)				
Acetone					
Value		91		%	
Duration of test		28	d		
evaluation Method	OECD	/ biodegra 301 B	dable		
Chemical oxygen demai			ents)		
Acetone					
Value		2100		mg/g	
Biochemical oxygen der	nand (BO	D5) (Com	ponents)	00	
Acetone	,	, (•		
Value		1900		mg/g	
Duration of test		5	d		
12.3. Bioaccumulative pot	ential				
Octanol/water partition	coefficient	(log Pov	w) (Componen	ts)	
Acetone				-	
log Pow		-0.24			
12.6. Other adverse effects					
General information / ec	-				
Do not allow undiluted pr	•••	ne quantiti	es of it to reach o	around water wa	ater bodies or sewage
system.		go quartat			ator boardo or borrago
SECTION 13: Disposal	conside	rations	<u>5</u>		
13.1. Waste treatment met	hods				
Disposal recommendati	ons for the	e produc	t		
Disposal in compliance w	ith local and	d national	regulations.		
Disposal recommendati	ons for pa	ckaging			

14: Transport Information

Safety data sheet in accordance wit	h regulation (EC) No 1907/2006	
Trade name: Rgs Gram III		
Substance number: 181100	Version: 5 / CH	Date revised: 13.05.201
	Replaces Version: 4 / CH	Print date: 13.05.1
Land transport ADR/RID *** 14.1. UN number		
UN 1993		
14.2. UN proper shipping nam	ne	
FLAMMABLE LIQUID, N.O.		
14.3. Transport hazard class(•	
Class	3	
Label 14.4. Packing group	3	
Packing group	II	
Special provision	640D	
Limited Quantity	11	
Transport category	2	
Tunnel restriction code	D/E	
Marine transport IMDG/GGV	See ***	
14.1. UN number		
UN 1993		
14.2. UN proper shipping nan	ne l	
FLAMMABLE LIQUID, N.O.S		
14.3. Transport hazard class(
Class	3	
14.4. Packing group		
Packing group	II	
Air transport ICAO/IATA ***		
14.1. UN number		
UN 1993		
14.2. UN proper shipping nan	ne	
FLAMMABLE LIQUID, N.O.		
14.3. Transport hazard class(es)	
Class	3	
14.4. Packing group		
Packing group	II	
SECTION 15: Regulatory	information	
	ronmental regulations/legislation s	pecific for the substance
or mixture	5 5 1	
Water Hazard Class (Germ	any)	
Water Hazard Class	WGK 1	
(Germany)		
Remarks	Classification according to Annex 4 VwVwS	
SECTION 16: Other inforr	nation	
R-phrases listed in Chapte	Highly flammable.	
11	Instruction to access	
11 36	Irritating to eyes.	s or oracking
11 36 66	Repeated exposure may cause skin drynes	
11 36 66 67	Repeated exposure may cause skin drynes Vapours may cause drowsiness and dizzine	
11 36 66 67 Hazard statements listed in	Repeated exposure may cause skin drynes Vapours may cause drowsiness and dizzine Chapter 3	
11 36 66 67	Repeated exposure may cause skin drynes Vapours may cause drowsiness and dizzine	



Trade name: Rgs Gram III

Substance number: 181100

Eye Irrit. 2

Flam. Liq. 2

STOT SE 3

Version: 5 / CH Replaces Version: 4 / CH Date revised: 13.05.2016

Print date: 13.05.16

CLP categories listed in Chapter 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.