

Trade name: Rgs Gram IV

Substance number: 181150

Version: 3 / CH

Date revised: 18.05.2016

Replaces Version: 2 / CH

Print date: 18.05.16

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

1.1. Product identifier

Rgs Gram IV

Item No. 18115000

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

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.

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

Supplemental information

EUH210 Safety data sheet available on request.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients ***

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

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

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Skin Corr. 1B H314 >= 3

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. In the event of symptoms take medical treatment.

After skin contact

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

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

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

Foam, Carbon dioxide, Dry powder, Water spray jet

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

Avoid dust formation.

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. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

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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.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

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				

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Appropriate Material neoprene

Eye protection

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

Form	liquid, clear
Colour	red
Odour	phenolic

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Odour threshold

Remarks not determined

pH value

Remarks not determined

Melting point

Remarks not determined

Freezing point

Remarks not determined

Initial boiling point and boiling range

Value appr. 100 °C

Flash pointValue °C
Remarks Not applicable**Evaporation rate (ether = 1) :**

Remarks not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

Remarks not determined

Vapour pressure

Remarks Not applicable

Vapour density

Remarks not determined

DensityValue appr. 1.000
Remarks Relative Density according specification**Solubility in water**

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient: n-octanol/water

Remarks not determined

Ignition temperature

Remarks not determined

Decomposition temperature

Remarks not determined

Viscosity

Remarks not determined

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

9.2. Other information**Other information**

None known

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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.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

None known

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		

Acute dermal toxicity

ATE	>	10'000	mg/kg
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		
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Duration of exposure	0.316	mg/l
Method	4	h
Method	OECD 403	
Remarks	Harmful by inhalation.	
Source	RTECS	

Skin corrosion/irritation

Remarks No data available.

Serious eye damage/irritation

Remarks not determined

Sensitization

Remarks not determined

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Mutagenicity (Components)**Phenol**

Species	Salmonella typhimurium
Method	Ames test
Remarks	negative

Phenol

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

Reproductive toxicity

Remarks not determined

Carcinogenicity

Remarks not determined

Other information

No toxicological data are available.

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

not determined

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
Method	OECD 204	

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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		

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		

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		

12.2. Persistence and degradability**General information**

not determined

Biodegradability

Remarks No data available.

Biodegradability (Components)**Phenol**

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

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Phenol

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

Phenol

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

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**General information**

not determined

Partition coefficient: n-octanol/water

Remarks not determined

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

log Pow	1.47	
Temperature	30	°C
Source	ECHA	

12.4. Mobility in soil**General information**

not determined

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

not determined

12.6. Other adverse effects**General information**

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be

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carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off as product waste.

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 or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany)	WGK 3
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Remarks	Classification according to Annex 4 VwVWS
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15.2. Chemical safety assessment

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

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

23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
34	Causes burns.
48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
68	Possible risk of irreversible effects.

Hazard statements listed in Chapter 3

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure:

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
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.