Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: Rgs May Grünwald mod f Mikr

Substance number: 184100

Version: 4 / CH

Replaces Version: 3 / CH

Date revised: 17.12.2018 Print date: 14.01.20

HANSELER

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

1.1. Product identifier

Rgs May Grünwald mod f Mikr Item No. 18410000

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

Use of the substance/preparation

In Vitro Diagnostic Medical Device, Reagent for analyses

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG Industriestrasse 35 9100 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)

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Flam. Liq. 2	H225
Acute Tox. 3	H301
Acute Tox. 3	H311
Acute Tox. 3	H331
STOT SE 1	H370

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 H370 H301+H311+H331 Highly flammable liquid and vapour. Causes damage to organs. Toxic if swallowed, in contact with skin or if inhaled.

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CAS No. 61-73-4 EINECS no. 200-515-2 Concentration < 1 %		Eye Irrit. 2	H319																																																																																																																																																																																																																																																																																																																		
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[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated clothing immediately and dispose of safely. Poisonous symptoms can first be observed after several hours, there- fore medical observation for at least 48 hours is necessary.

After inhalation

Ensure supply of fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice.

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.). Take medical treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Induce vomiting if patient is conscious, seek medical advice.

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

Nausea, Vomiting, Headache, Dizziness, Intoxication, Disturbance of vision, Danger of blindness. Systemic effects: Acidosis, Cardiovascular disturbance, Excitement, Convulsions, Narcosis, coma

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Symptoms appear mostly after several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water, Foam

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

The product is combustible. Vapours heavier than air. Can build mixtures of gas and air which are capable of explosion. Toxic aniline fumes

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Do not discharge into surface waters/groundwater. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Avoid contact with skin, eyes and clothing. Ensure supply of fresh air.

6.2. Environmental precautions

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

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Pick up with absorbent mat	or containment and cleaning terial (e.g. general-purpose binder). V 3 "Disposal". Ensure adequate ventil	Nhen picked up, treat material as
ECTION 7: Handling an	d storage	
7.1. Precautions for safe ha	ndling	
Advice on safe handling	-	ows/ steams. Avoid inhaling dusts/ billows/
Advice on protection again Keep away from sources o	inst fire and explosion f ignition - No smoking. Take action t	o prevent static discharges.
2.2. Conditions for safe stor	rage, including any incompa	tibilities
Recommended storage te	-	
Value	15 25	°C
Requirements for storage		
	ainers. Do not use zinc containers. p	lastic materials
Hints on storage assemble	-	
Do not store together with f		
Further information on st	•	
Keep container tightly close	ed, cool and dry. Keep locked up and	out of the reach of children.
ECTION 8: Exposure co	ontrols/personal protecti	on
ECTION 8: Exposure co 8.1. Control parameters	ontrols/personal protecti	<u>on</u>
	ontrols/personal protecti	<u>on</u>
8.1. Control parameters Exposure limit values	ontrols/personal protecti	<u>on</u>
8.1. Control parameters	ontrols/personal protecti	<u>on</u>
5.1. Control parameters Exposure limit values Methanol List Type	SUVA MAK	
5.1. Control parameters Exposure limit values Methanol List Type Value	SUVA MAK 260 mg/m³	200 ppm(V)
5.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit	SUVA MAK	200 ppm(V) 800 ppm(V)
5.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa	SUVA MAK 260 mg/m³ 1040 mg/m³ ation: H; Pregnancy group: S; State	200 ppm(V) 800 ppm(V)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH	SUVA MAK 260 mg/m³ 1040 mg/m³ ation: H; Pregnancy group: S; State	200 ppm(V) 800 ppm(V)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS,
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS,
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS,
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS,
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS,
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects 40 Derived No Effect Level (DNEI Worker	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; Statu t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects 40 Derived No Effect Level (DNEI Worker Acute	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Route of exposure Route of exposure Route of exposure Route of exposure Route of exposure	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; State t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects 40 Derived No Effect Level (DNEI Worker Acute inhalative	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L)
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Mode of action	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; State t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects 40 Derived No Effect Level (DNEI Worker Acute inhalative Systemic effects	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L) mg/kg/d
8.1. Control parameters Exposure limit values Methanol List Type Value Short term exposure limit Skin resorption / sensibilisa Sehen; INRS, NIOSH Derived No/Minimal Effect Methanol Type of value Reference group Duration of exposure Route of exposure Mode of action Concentration Type of value Reference group Duration of exposure Route of exposure Route of exposure Route of exposure Route of exposure Route of exposure Route of exposure	SUVA MAK 260 mg/m ³ 1040 mg/m ³ ation: H; Pregnancy group: S; State t Levels (DNEL/DMEL) Derived No Effect Level (DNEI Worker Acute dermal Systemic effects 40 Derived No Effect Level (DNEI Worker Acute inhalative	200 ppm(V) 800 ppm(V) us: 2017; Remarks: H B SSc; ZNS, L)

Safety data sheet in accordance v		
Trade name: Rgs May Grünwald m	od f Mikr	2000 contraction and a traction
Substance number: 184100	Version: 4 / CH	Date revised: 17.12.201
	Replaces Version: 3 / CH	Print date: 14.01.2
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	260	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	40	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	260	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	260	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	8	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	50	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	8	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	50	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	

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rade name: Rgs May Grünwald m		
ubstance number: 184100	Version: 4 / CH	Date revised: 17.12.201
	Replaces Version: 3 / CH	Print date: 14.01.2
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	8	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	50	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	8	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	50	mg/m³
Predicted No Effect Conc	entration (PNEC)	
Methanol		
Type of value	PNEC	
Туре	Freshwater	
Concentration	154	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	15.4	mg/l
		0
Type of value	PNEC	
Туре	Sediment	
Concentration	570.4	mg/kg
Type of value	PNEC	
Туре	Soil	
Concentration	23.5	mg/kg
	PNEC	
Type of value Type		
	Sewage treatment plant (STP) 100	mg/l
Concentration		5
Concentration	• • •	
	Intermittend 1540	mg/l

.2. Exposure controls

Exposure controls

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

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de name: Rgs May Grünwald	mod f Mikr			
stance number: 184100		Version	: 4 / CH	Date revised: 17.12.20
		Replace	es Version: 3 / CH	Print date: 14.01.
work. Do not eat or drink Respiratory protection Breathing apparatus in the Hand protection The glove material must before wear. Gloves show location. Appropriate Material Material thickness Breakthrough time Appropriate Material Material thickness Breakthrough time Eye protection Tightly fitting safety glass Body protection Fire-resistant antistatic p	contaminate during worl ne event of v be sufficien uld be well o Butyl r > viton > ses	ed clothing. < time. Wor /apours. t impermea cleaned bef 0.7 480 0.7 120	k only in fume cupb ble and resistant to	rotection. Wash hands and face after oards. Do not inhale dust/fumes/mist. the substance. Check the tightness then stored in a well ventilated
Environmental exposure Do not allow to enter dra CTION 9: Physical a	ins or water	courses.	operties	
Do not allow to enter dra	ins or water nd chen	courses. nical pro and cher		i
Do not allow to enter dra CTION 9: Physical a I. Information on basic Form	ins or water nd chen physical a liqu blu	courses. nical pro and cher		
Do not allow to enter dra CTION 9: Physical and I. Information on basic p Form Colour	ins or water nd chen physical a liqu blu	courses. nical pro and cher ^{id} e		
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Do not allow to enter drain CTION 9: Physical and I. Information on basic pro- Form Colour Odour Melting point Remarks Freezing point Value Initial boiling point and Value	ins or water nd chen physical liqu of r not - boiling ra app	courses. nical pro and cher id e nethanol determined 98 nge or. 65	nical properties	
Do not allow to enter dra CTION 9: Physical and I. Information on basic pro- Form Colour Odour Melting point Remarks Freezing point Value Initial boiling point and Value Source	ins or water nd chen physical liqu of r not - boiling ra app	courses. nical pro and cher id e nethanol determined 98 nge	nical properties	°C
Do not allow to enter drain CTION 9: Physical and I. Information on basic pro- Form Colour Odour Melting point Remarks Freezing point Value Initial boiling point and Value Source Flash point	ins or water nd chen physical liqu of r not boiling ra app Me	courses. nical pro and cher id e nethanol determined 98 nge or. 65 rck Index	nical properties	°C
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Do not allow to enter drain CTION 9: Physical and I. Information on basic pro- Form Colour Odour Melting point Remarks Freezing point Value Initial boiling point and Value Source Flash point Value Upper/lower flammabilit	ins or water nd chen physical a liqu of r not boiling ra App Me	courses. nical pro and cher id e nethanol determined 98 nge or. 65 rck Index or. 12 osive limit	nical properties	°C °C
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Do not allow to enter drain CTION 9: Physical and I. Information on basic pro- Form Colour Odour Melting point Remarks Freezing point Value Initial boiling point and Value Source Flash point Value Upper/lower flammability Lower explosion limit	ins or water nd chen physical a liqu of r not boiling rat app Me ty or explo Sat	courses. nical pro- and cher id e nethanol determined 98 nge or. 65 rck Index or. 12 osive limit 5.5 fety Data S	nical properties	°C °C
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Do not allow to enter drain CTION 9: Physical and I. Information on basic pro- Form Colour Odour Melting point Remarks Freezing point Value Initial boiling point and Value Source Flash point Value Upper/lower flammability Lower explosion limit Source Vapour pressure Value Temperature Vapour density	ins or water nd chen physical a liqu of r not boiling rat app Me ty or explo Sat	courses. nical pro- and cher id e nethanol determined 98 nge or. 65 rck Index or. 12 osive limit 5.5 fety Data S or. 125 20	nical properties	°C °C °C %(V)
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Trade name: Rgs May Grünwald mod f	Mikr				
Substance number: 184100		Version:	4 / CH		Date revised: 17.12.2018
		Replaces	Version:	3 / CH	Print date: 14.01.20
Solubility in water					
Temperature		20	°C		
Remarks	solub	ole			
Partition coefficient: n-octand	ol/wate	ər			
Reference substance log Pow	Meth	anol -0.74			
Ignition temperature					
Value		455			°C
Auto-ignition temperature					
Value	>	455			°C
Decomposition temperature					
Remarks	To av	oid therma	l decomp	position, de	o not overheat.
Viscosity					
dynamic					
Value		0.544 25	to °C	0.59	mPa.s
Temperature Method	DIN 5	25 51550	C		
Other information Forms esplosive mixture with a SECTION 10: Stability and r 10.1. Reactivity Formation of explosive gas/air r 10.2. Chemical stability Stable under recommended sto	react	ivity s.	ı conditio	ns (see se	ection 7).
10.3. Possibility of hazardous r No hazardous reactions known			n if store	d and appl	ied as directed.
10.4. Conditions to avoid Heat. Protect from atmospheric	moistu	ire and wate	er.		
10.5. Incompatible materials Oxidising agents, Halogens, Re Exothermic reaction with: Acids			•		ydrogen peroxide (H2O2). acid chlorides and acid anhydrides.
10.6. Hazardous decomposition No data available.	n proo	ducts			
SECTION 11: Toxicological	info	rmation			
11.1. Information on toxicologi	cal ef	fects			
Acute oral toxicity	_				
ATE		143.286			mg/kg
			egulation	(EC) No.	1272/2008)
Acute oral toxicity (Compone	nts)				
Methanol					
Species H LDLo	uman	143			mg/kg
		1-10			iiig/iig

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Trade name: Rgs May Grünwald mo	d f Mikr	
Substance number: 184100	Version: 4 / CH	Date revised: 17.12.2018
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Source	RTECS	
Acute dermal toxicity		
ATE	300.6 mg/kg	
Method	calculated value (Regulation (EC) No. 1272/20	08)
Acute inhalational toxicity		
ATE	0.501 mg/l	
Administration/Form Method	Dust/Mist calculated value (Regulation (EC) No. 1272/20	008)
Acute inhalative toxicity (C	omponents)	
Methanol	. ,	
Species	rat	
LC50	131.25 mg/l	
Duration of exposure	4 h	
Administration/Form Source	Vapors ECHA	
Skin corrosion/irritation		
Remarks	Danger of resorption through the skin.	
Skin corrosion/irritation (C		
•	omponents)	
Methanol	robbit	
Species Remarks	rabbit No effect of irritation known.	
Source	ECHA	
Methanol		
Remarks	Repeated and prolonged skin contact may lead the skin.	d to defatting and irritation of
Serious eye damage/irritat		
Remarks	slightly irritating (Eye)	
Serious eye damage/irritati		
Methanol		
Species	rabbit	
Method	OECD 405	
Remarks	None	
Reproduction toxicity (Con	nponents)	
Methanol		
Species	Rats (male/female)	
Dose	1.33 mg/l	
evaluation	No negative effects	
Source Specific Target Organ Toxi	Safety Data Sheet Supplier	
Methanol	city (STOT) (Components)	
Single exposure		
evaluation	Causes damage to organs.	
	Route of exposure oral	
	Organs: Eyes	
Species	Human	
Methanol		
Species	Route of exposure inhalative	
Species NOAEL	rat 0.13 mg/l	
Duration of exposure	365 d	

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Frade name: Rgs May Grünwald m	od f Mikr		
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Method	OECD 453		
Source	Merck KGaA Saf	ety Data Sheet	
Methanol			
On a sin a	Route of exposur		
Species LOAEL	Rats (male/fema 1.3	mg/l	
Duration of exposure	365	d	
Method	OECD 453		
Source	Merck KGaA Saf	ety Data Sheet	
Experience in practice	den nen ef bliv de ee		
narcotic effect/intoxication.	anger of billiones	s. Causes a state c	r intoxication. Inhalation causes
Other information			
The toxicological information Observe the usual precauti			
Observe the usual precauti			
ECTION 12: Ecological	<u>information</u>		
12.1. Toxicity			
Fish toxicity			
Species	Bluegill (Lepomis	s macrochirus)	
LC50	15400	b	mg/l
Duration of exposure	96	h	
Fish toxicity (Components	5)		
Methanol Species	Bluegill (Lepomis	macrochirus)	
LC50	15400	S macrochinas)	mg/l
Duration of exposure	96	h	5
Source	(EPA 600/3-75/0	09)	
Daphnia toxicity			
Species EC50	Daphnia magna > 10000		mg/l
Duration of exposure	48	h	ing/i
Source	IUCLID		
Daphnia toxicity (Compor	ents)		
Methanol			
Species	Daphnia magna		
EC50	> 10000 48	h	mg/l
Duration of exposure Source	IUCLID	11	
Methanol			
Species	Daphnia magna		
EC50	> 1000		mg/l
Duration of exposure Method	48 OECD 202	h	
Algae toxicity			
Species	Scenedesmus qu	uadricauda	
IC5	8000		mg/l
Duration of exposure	8	d	
Algae toxicity (Componen	ts)		
Methanol			

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Species	Pseudokirchneri	olla subcanitata		
EC50	22000	ella subcapitata	mg/l	
Duration of exposure	96	h		
Method	OECD 201			
Source	Merck KGaA Sat	fety Data Sheet		
Bacteria toxicity				
Species EC5	Pseudomonas p 6600	utida	mg/l	
Duration of exposure	16	h	IIIg/I	
Bacteria toxicity (Comp				
Methanol	Jients			
Species	activated sludge			
IC50	> 1000		mg/l	
Duration of exposure	3	h		
Method	OECD 209	·		
Source	Merck KGaA Sat	fety Data Sheet		
2.2. Persistence and deg	radability			
General information	-			
Do not allow it to reach se	oil. around water, wat	er bodies or sewag	ie svstem.	
Biodegradability	, g	-	je z j ₌ :	
Reference substance	Methanol			
Remarks	The product is bi	iodegradable.		
Source	Safety Data She			
Ready degradability				
Value	76		%	
Duration of test	5	d		
Source	IUCLID			
Ready degradability (Co	mponents)			
Methanol				
Value	99		%	
Duration of test	30 OFCD 201D	d		
Method Source	OECD 301D Merck KGaA Sat	foty Data Sheet		
Methanol		lely Data Sheet		
Value	95		%	
Duration of test	20	d	70	
Source	Safety Data She	et Supplier		
Chemical oxygen demar	nd (COD)			
Value	1.42			
Source	IUCLID			
Chemical oxygen demar	nd (COD) (Compor	ients)		
Methanol	-	-		
Value	1.42		mg/g	
Source	IUCLID			
Biochemical oxygen der	mand (BOD5)			
Value	0.6	to 1.12		
Remarks	The product is bi	iodegradable.		
Source	IUCLID			

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Trade name: Rgs May Grünwald mo	od f Mikr	padron franciskýci francisky		
Substance number: 184100				
	Replaces Version: 3 / CH	Print date: 14.01.20		
Methanol				
Value Duration of test Source	600 to 1120 5 d IUCLID	mg/g		
12.3. Bioaccumulative poten	ntial			
Partition coefficient: n-oct	anol/water			
Reference substance log Pow	Methanol -0.74			
_	efficient (log Pow) (Components)			
Methanol	······································			
log Pow	-0.77			
12.4. Mobility in soil				
Mobility in soil Moderately mobile in soils				
12.5. Results of PBT and vP	vB assessment			
General information				
Do not allow to enter drains				
	and bioaccumulation potential (Comp	oonents)		
Methanol The Substance doesn't mee	ets PBT/vPvB-criterions			
12.6. Other adverse effects				
Behaviour in environment	compartments			
Because of the n-octanol/wa possible.	ater distribution coefficient (log pOW) accum	ulation in organisms is not		
Behaviour in sewers [wast	te treatment plants]			
When low concentrations ar	re discharged correctly into adapted biologication in activity of activated sludge is not likely.	al sewage treatment plants,		
General information / ecol				
Do not allow it to reach soil,	ground water, water bodies or sewage syste	em.		
SECTION 13: Disposal co	onsiderations			
13.1. Waste treatment metho	ods			
Disposal recommendation	-			
	local and national regulations.			
Disposal recommendation Dispose of as unused produ				
Dispose of as unused produ				
SECTION 14: Transport i	nformation			

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1230	1230	1230
14.2. UN proper shipping name	METHANOL, Solution	METHANOL, Solution	METHANOL, Solution
14.3. Transport hazard class(es)	3	3	3
Subsidiary risk	6.1	6.1	6.1
Label		3 6 6	
14.4. Packing group	II	II	II
Limited Quantity	1		
Transport category	2		

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Germany)

Water Hazard ClassWGK 1(Germany)Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H370	Causes damage to organs.

CLP categories listed in Chapter 3

Acute Tox. 3	Acute toxicity, Category 3
Flam. Liq. 2	Flammable liquid, Category 2
STOT SE 1	Specific target organ toxicity - single exposure, 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.

	Safety data shee	t in accordance	with regulation	(EC) No 1907/2006
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