

Trade name: Rosae aqua conservata

Substance number: 035001

Version: 4 / CH Replaces Version: 3 / CH Date revised: 06.02.2024 Print date: 06.02.24

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

#### 1.1. Product identifier

Rosae aqua conservata Item No.

03500100

## **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

Voluntary product information following the Safety Data Sheet format 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.

## 2.3. Other hazards

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

# **SECTION 3: Composition/information on ingredients \*\*\***

#### **Chemical characterization**

Alcoholic solution

#### Further ingredients \*\*\*

water CAS No. EINECS no. Concentration Advice: [4]	7732-18-5 231-791-2		>=	95	%
ethanol CAS No. EINECS no. Concentration Advice: [4]	64-17-5 200-578-6 >=	1	<	10	%

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Classification (Regul	ation (EC) No. 1272/2008) Flam. Liq. 2	H225			
methyl 4-hydroxyben	zoate				
CAS No.	99-76-3				
EINECS no.	202-785-7				
Registration no.	01-2119463264-40-0003				
Concentration		<	1	%	
Advice: [4]					
Classification (Regul	ation (EC) No. 1272/2008)				
	Aquatic Chronic 2	H411			
Propyl 4-hydroxyben					
CAS No.	94-13-3				
EINECS no.	202-307-7				
Registration no.	01-2119969462-29		4	0/	
Concentration		<	1	%	
Advice: [4]	ation (EC) No. 1272/2008)				
Classification (Regu	Aquatic Chronic 3	H412			
	Aqualic Chionic 5	11412			
Geraniol					
CAS No.	106-24-1				
EINECS no.	203-377-1				
Concentration		<	1	%	
Advice: [4]					
Classification (Regul	ation (EC) No. 1272/2008)				
	Skin Irrit. 2	H315			
	Skin Sens. 1	H317			
	Eye Dam. 1	H318			
2-Phenylethanol					
CAS No.	60-12-8				
EINECS no.	200-456-2				
Concentration		<	1	%	
Advice: [4]					
Classification (Regul	ation (EC) No. 1272/2008)	11000			
	Acute Tox. 4 Eye Irrit. 2	H302 H319			
	Ly <del>u</del> IIII. Z	11319			
nerol					
CAS No.	106-25-2				
EINECS no.	203-378-7				
Concentration		<	1	%	
Advice: [4]					
Classification (Regul	ation (EC) No. 1272/2008)				
	Skin Irrit. 2	H315			
	Skin Sens. 1B Eye Dam. 1	H317 H318			
(E)-1-(2,6,6-trimethyl- CAS No.	2-cyclohexen-1-yl)-2-buter 24720-09-0	1-1-one	<b>!</b>		
EINECS no.	24720-09-0 246-430-4				
Concentration	240-430-4	<	1	%	
( ODCONTATION		~			

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Classification (Reg	ulation (EC) No. 1272 Acute Tox. 4 Skin Sens. 1B Aquatic Acute 1 Aquatic Chronic	H302 H317 H400	
Concentration limit	s (Regulation (EC) No Aquatic Chronic	o. 1272/2008) M = 1	
	1 Aquatic Acute 1	M = 1	
Note			
[4] Voluntary inform	nation		
SECTION 4: First a	id measures		
After eye contact Separate eyelids, v After ingestion Rinse out mouth a Adhere to persona	vash the eyes thoroug	ires when giving first aid	·
<b>4.2. Most important s</b> Until now no symp		ects, both acute and dela	yed
4.3. Indication of any	immediate medie	cal attention and special t	reatment needed
Hints for the physi		nt comiting contration of the loss	
chemical pneumor		nt vomiting, aspiration of the lung	is can occur which can lead to
SECTION 5: Firefig	hting measure	<u>s</u>	
5.1. Extinguishing me Suitable extinguishing mea		ings	
5.2. Special hazards a		-	

5.3. Advice for firefighters Special protective equipment for fire-fighting No special measures required.

# **SECTION 6: Accidental release measures**

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6.1. Personal precautions, prote Remove persons to safety. Ensi	ective equipment and em ure adequate ventilation. Keep a	
6.2. Environmental precautions Advise water authority if spillage		ainage system.
6.3. Methods and material for carried to the formation of the second sec		
6.4. Reference to other sections Information regarding Safe hand see Section 8.	-	regarding personal protective measures,
SECTION 7: Handling and s	torage	
7.1. Precautions for safe handli	ng	
Advice on safe handling	-	
No special requirements.		
Advice on protection against No special measures required.	fire and explosion	
7.2. Conditions for safe storage	, including any incompat	ibilities
Requirements for storage roo Store product in closed containe	ms and vessels	
Hints on storage assembly	515.	
Do not store together with foods	tuffs	
Storage classes		
Storage class according to TRG	S 510 12 Non	-combustible liquids
Further information on storag		·
Keep container tightly closed an		
SECTION 8: Exposure contr	ols/personal protection	<u>on ***</u>
8.1. Control parameters		
Exposure limit values ***		
ethanol		
List	SUVA	
Type Value	MAK 960 mg/m³	500 ppm(V)
Short term exposure limit	1920 mg/m <sup>3</sup>	500 ppm(V) 1000 ppm(V)
Pregnancy group: S; Remarks		
Other information		
Contains no substances with oc	cupational exposure limit values	
Derived No/Minimal Effect Lev	/els (DNEL/DMEL)	
Propyl 4-hydroxybenzoate		
Type of value Reference group	Derived No Effect Level (DNEL General Population	_)
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action Concentration	Systemic effects	
	43.47	mg/kg/d

Safety data sheet in accordance with		
Trade name: Rosae aqua conservata		Stratis of the send of the west
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Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure Mode of action	inhalative Systemia offecto	
Concentration	Systemic effects 43.47	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	Systemic effects	
Concentration	88.2	mg/m³
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action Concentration	Systemic effects 338	mg/kg/d
		ilig/kg/u
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure Mode of action	dermal Systemic effects	
Concentration	675.6	mg/kg/d
mathed A hydroxybonzooto		
methyl 4-hydroxybenzoate Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	12.5	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	14.7	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure Mode of action	dermal Systemic offects	
Concentration	Systemic effects 29.41	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
•	Systemic effects	

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Concentration	43.45	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	Systemic effects	
Concentration	176.3	mg/m³
Predicted No Effect Con	centration (PNEC)	
methyl 4-hydroxybenzoat		
Type of value	PNEC	
Туре	Freshwater	
Concentration	0.0024	mg/l
Type of value	PNEC	
Туре	Saltwater	
Concentration	0.00024	mg/l
Type of value	PNEC	
Conditions	Intermittend	
Concentration	0.112	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0.0632	mg/kg
Type of value	PNEC	
Туре	Marine sediment	
Concentration	0.00632	mg/kg
Type of value	PNEC	
Туре	Sewage treatment plant (STP)	
Concentration	2	mg/l
Type of value	PNEC	
Туре	Soil	
Concentration	0.0115	mg/kg

## 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.



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Information on basic phys Physical state	ical and chemic Liquid	cal pro	perties	
Colour	colourless			
Melting point				
Remarks	not determined			
Freezing point				
Remarks	not determined			
Boiling point or initial boiling	point and boilir	na rana	e	
Remarks	No data available	• •	-	
Flammability				
not determined				
Upper and lower explosive li	mits			
Remarks	not determined			
Flash point				
Value	°C			
Remarks	Not applicable			
Ignition temperature				
Remarks	not determined			
Decomposition temperature				
Remarks	not determined			
pH value				
Remarks	No data available	Э		
Viscosity				
Remarks	not determined			
Solubility(ies)				
Remarks	not determined			
Partition coefficient n-octand		e)		
Remarks	not determined			
Vapour pressure				
Remarks	Not applicable			
Density and/or relative densi	•			
Value	0.995	to	1.005	g/cm³
Relative vapour density				
Remarks	not determined			
Other information				
Odour threshold				
Remarks	not determined			
Evaporation rate (ether = 1) :				
Remarks	not determined			
Solubility in water				
Remarks	No data available	e		
Explosive properties				



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mg/kg

3000

LD50

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methyl 4-hydroxybenzoate Species	rabbit			
LC50	Tabbit	6000	mg/kg	
ethanol		0000	iiig/itg	
Species	rat			
LD50		7060	mg/kg	
Source	Toxico	logy and Applied Pharmac		. 718, 1970.
ethanol				
Species	rat			
LD50		10470	mg/kg	
Acute dermal toxicity				
Remarks	not det	termined		
Acute dermal toxicity (Cor	nponen	ts)		
Geraniol	-			
Species	rabbit			
	>	5000	mg/kg	
2-Phenylethanol				
Species	rabbit			
LD50		806	mg/kg	
Source	Toxico	logy and Applied Pharmac	ology. Vol. 28, Pg	. 313, 1974
ethanol				
Species	rabbit			
LD50		15800	mg/kg	
ethanol				
NOAEL		8232	mg/kg	
Acute inhalational toxicity				
Remarks	not de	termined		
Acute inhalative toxicity (	Compon	ients)		
Geraniol Remarks	No dat	a available.		
Propyl 4-hydroxybenzoate				
Remarks	Irritatin	ig to respiratory system.		
ethanol				
Species	rat			
LC50		30000	mg/m³	
Duration of exposure Administration/Form	Vapors	4 h		
	vapois			
Skin corrosion/irritation		· · · · · · · · · · · · · · · · · · ·		
Remarks		termined		
Skin corrosion/irritation (C	Compon	ents)		
Geraniol	-			
Species	guinea			
Duration of exposure	irritant	24 h		
evaluation Source	irritant RTEC			
Geraniol				
Species	man			
	man	24 h		
		24 11		
Duration of exposure evaluation	irritant			

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Geraniol		
Species	rabbit	
Duration of exposure	24 h	
evaluation	irritant	
Source	RTECS	
Propyl 4-hydroxybenzoate Remarks	Based on available data, the classification c	ritoria aro not mot
	Dased on available data, the classification c	ntena are not met.
methyl 4-hydroxybenzoate Species	rabbit	
Duration of exposure	24 h	
Observation Period	72 h	
evaluation	Moderately irritating	
Method	Draize method	
ethanol		
evaluation	non-irritant	
Serious eye damage/irrita	tion	
Remarks	not determined	
Serious eye damage/irrita	tion (Components)	
Geraniol		
evaluation	irritant - risk of serious damage to eyes	
Remarks	Irritates the eyes.	
Propyl 4-hydroxybenzoate		
Species	mammal, species unspecified	
evaluation	non-irritant	
Method	OECD 437	
Remarks	Based on available data, the classification c	riteria are not met.
Propyl 4-hydroxybenzoate		
Species	rabbit	
evaluation	non-irritant	
Method	OECD 405	
methyl 4-hydroxybenzoate		
Species	rabbit	
Observation Period evaluation	48 h Moderately irritating	
Method	Draize method	
ethanol		
evaluation	irritant	
Sensitization		
Remarks	not determined	
Sensitization (Component	5/	
Geraniol Remarks	No data available.	
Propyl 4-hydroxybenzoate		
Route of exposure	dermal	
Species	mouse	
evaluation	non-sensitizing	
Method	OECD 429	
Propyl 4-hydroxybenzoate		
Route of exposure	dermal	
Species evaluation	guinea pig	
Evaluation	non-sensitizing	

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Method	OECD	406			
methyl 4-hydroxybenzoate					
Species	guinea				
evaluation		ensitizing			
Method	OECD	406			
ethanol					
evaluation		ensitizing			
Subacute, subchronic, chr		-			
Remarks	not de	termined			
Subacute, subchronic, chr	onic to	xicity (Co	omponents)		
Geraniol					
Remarks	Not ap	plicable			
Propyl 4-hydroxybenzoate Sub-chronic toxicity					
Route of exposure	oral		1-)		
Species NOAEL	•	male/fema 1000	le)	malka	
Duration of exposure	>=	90	d	mg/kg	
Method	OECD		ŭ		
Propyl 4-hydroxybenzoate Subacute toxicity					
Route of exposure	oral				
Species	rat (ma				
NOAEL	>	745.4	al	mg/kg	
Duration of exposure		14	d		
Propyl 4-hydroxybenzoate Subacute toxicity					
Route of exposure	oral	mala)			
Species NOAEL	rat (fer	760.5		mg/kg	
Duration of exposure	-	14	d	iiig/kg	
Propyl 4-hydroxybenzoate			-		
Chronic toxicity Route of exposure	oral				
Species		male/fema	le)		
NOAEL	>=	5500	- /	mg/kg	
Duration of exposure		96	Weeks	5 5	
methyl 4-hydroxybenzoate					
Species	rat				
NOAEL	>=	250		mg/kg	
Duration of exposure		28	d		
methyl 4-hydroxybenzoate Sub-chronic toxicity	orol				
Route of exposure Species	oral rat				
NOAEL	iat	1000		mg/kg	
Duration of exposure		63	Days	5 5	
Remarks	None				
Mutagenicity					
Remarks	not de	termined			
Mutagenicity (Components	s)				

Substance number: 035001     Yersion: 4/CH     Date revised: 06.02.202       Remarks     No data available.       Propyl 4-hydroxybenzoate     wentuation       evaluation     No mutagenicity according to various in vitro tests.       Method     DECD 471       Propyl 4-hydroxybenzoate     mammal, species unspecified       evaluation     No mutagenicity according to various in vitro tests.       Method     DECD 476       methyl 4-hydroxybenzoate     No mutagenicity according to various in vitro tests.       Species     mammal, species unspecified       evaluation     No mutagenicity according to various in vitro tests.       Method     DECD 476       methyl 4-hydroxybenzoate     mammal, species unspecified       Species     mammal, species unspecified       Method     OECD 476       methyl 4-hydroxybenzoate     mammal, species unspecified       Remarks     negative       ethanol     ecol 476       Remarks     not determined       Reproduction toxicity (Components)     Geraniol       Remarks     No data available.       Propyl 4-hydroxybenzoate     rat       Route of exposure     oral       Species     Rats (male/female)       Doce     15000       Doce     15000       Species     rat	Frade name: Rosae aqua conservata		
Remarks     No data available.       Propil 4-hydroxybenzoate     evaluation       evaluation     No mutagenicity according to various in vitro tests.       Method     OECD 471       Propil 4-hydroxybenzoate     mammal, species unspecified       evaluation     No experimental information on genotoxicity in vitro available.       Method     OECD 476       methyl 4-hydroxybenzoate     mammal, species unspecified       evaluation     No mutagenicity according to various in vitro tests.       Method     OECD 476       methyl 4-hydroxybenzoate     mammal, species unspecified       Species     mammal, species unspecified       Method     OECD 476       Benorics     negative       ethand     ethand       evaluation     No mutagenicity in the Ames-test.       Reproductive toxicity     No data available.       Propil 4-hydroxybenzoate     mammal, species unspecified       Route of exposure     not datermined       Reproductive toxicity (Components)     Geranio       Route of exposure     not       Species     Rats (male/female)       Duration of exposure     no waliable data, the classification criteria are not met.       Berles     1000 mg/kg       Quarkino     No experimental       Method     OECD 422       Rem			Date revised: 06.02.2024
Propyl 4-hydroxybenzoate       No mutagenicity according to various in vitro tests.         Propyl 4-hydroxybenzoate       Propyl 4-hydroxybenzoate         Species       mammal, species unspecified         evaluation       No experimental information on genotoxicity in vitro available.         Method       OECD 476         methyl 4-hydroxybenzoate       evaluation         evaluation       No mutagenicity according to various in vitro tests.         Method       OECD 476         methyl 4-hydroxybenzoate       mammal, species unspecified         Species       mammal, species unspecified         Method       OECD 476         methyl 4-hydroxybenzoate       evaluation         evaluation       No mutagenicity in the Ames-test.         Reproductive toxicity       not determined         Reproduction toxicity (Components)       Geraniol         Geraniol       Species         Species       Rats (male/female)         Dose       15000       ppm(m)         Duration of exposure       7       Weeks         evaluation       No negative effects         Method       OECD 422       Remarks         Boseles       1000       mg/kg         Duration of exposure       63       d		Replaces Version: 3 / CH	Print date: 06.02.24
Prop! 4-hydroxybenzoate evaluation       No mutagenicity according to various in vitro tests.         Prop! 4-hydroxybenzoate species       mammal, species unspecified evaluation         No experimental information on genotoxicity in vitro available. OECD 476         methyl 4-hydroxybenzoate evaluation       No mutagenicity according to various in vitro tests.         Species       mammal, species unspecified         evaluation       OECD 476         methyl 4-hydroxybenzoate evaluation       No mutagenicity according to various in vitro tests.         Species       mammal, species unspecified         Method       OECD 476         methyl 4-hydroxybenzoate evaluation       No mutagenicity in the Ames-test.         Remarks       not determined         Remarks       not determined         Remarks       No data available.         Prop! 4-hydroxybenzoate evaluation of exposure       oral         Species       Rats (male/female)         Dose       15000         Dose       1000         methyl 4-hydroxybenzoate evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Dose       1000       mg/kg         Dose       1000       mg/kg	Remarks	No data available.	
Method     OECD 471       Propyl 4-hydroxyberzoate evaluation     No experimental information on genotoxicity in vitro available.       Method     OECD 476       methyl 4-hydroxyberzoate evaluation     No mutagenicity according to various in vitro tests.       Method     OECD 471       methyl 4-hydroxyberzoate evaluation     No mutagenicity according to various in vitro tests.       Method     OECD 471       methyl 4-hydroxyberzoate species     mammal, species unspecified       Remarks     negative       ethanol     OECD 476       evaluation     No mutagenicity in the Ames-test.       Reproductive toxicity     Remarks       Remarks     not determined       Reproduction toxicity (Components)     Geraniol       Geraniol     No data available.       Propyl 4-hydroxybenzoate evaluation     No data available.       Propyl 4-hydroxybenzoate evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       methyl 4-hydroxybenzoate evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       methyl 4-hydroxybenzoate     Species       Species     1000     mg/kg       Duration of exposure	Propyl 4-hydroxybenzoate		
Species       mammal, species unspecified         evaluation       No experimental information on genotoxicity in vitro available.         Method       OECD 476         methyl 4-hydroxybenzoate       Species         evaluation       No mutagenicity according to various in vitro tests.         Method       OECD 476         methyl 4-hydroxybenzoate       Species         Species       mammal, species unspecified         Method       OECD 476         Method       OECD 476         Remarks       negative         ethanol       evaluation         evaluation       No mutagenicity in the Ames-test.         Reproductive toxicity       Townorthere         Remarks       not determined         Remarks       No data available.         Propyl 4-hydroxybenzoate       Route of exposure         Route of exposure       oral         Species       Rat (male/female)         Dose       15000 ppm(m)         Duration of exposure       rat         Species       Rat (male/female)         Dose       1600 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422	evaluation		
evaluationNo experimental information on genotoxicity in vitro available. OECD 476methyl 4-hydroxybenzoateNo mutagenicity according to various in vitro tests.MethodOECD 471methyl 4-hydroxybenzoateSpeciesSpeciesmammal, species unspecifiedMethodOECD 476methyl 4-hydroxybenzoateNo mutagenicity in the Ames-test.RemarksnegativeethanolevaluationevaluationNo mutagenicity in the Ames-test.Reproductive toxicitynot determinedReproduction toxicity (Components)GeraniolNo data available.Propyl 4-hydroxybenzoateRats (male/female) DoseSpeciesRats (male/female) DoseDose15000 ppm(m) TweeksDose15000 ppm(m) TweeksDose1600 mg/kgDuration of exposure63 d evaluationNo negative effects MethodOECD 422 RemarksRemarksBased on available data, the classification criteria are not met.methyl 4-hydroxybenzoate Species63 d a d a dSpeciesnat Based on available data, the classification criteria are not met.CarcinogenicityComponentsRemarksBased on available data, the classification criteria are not met.CarcinogenicityComponentsRemarksBased on available data, the classification criteria are not met.CarcinogenicityRemarksRemarksBased on available data, the classification criteria are not met.CarcinogenicityComp	Propyl 4-hydroxybenzoate		
methyl 4-hydroxybenzoateevaluationNo mutagenicity according to various in vitro tests.MethodOECD 471methyl 4-hydroxybenzoatemammal, species unspecifiedSpeciesmammal, species unspecifiedMethodOECD 476RemarksnegativeethanolethanolevaluationNo mutagenicity in the Ames-test.Reproductive toxicitynot determinedReproduction toxicity (Components)GeraniolNo data available.Propyl 4-hydroxybenzoateNo data available.Propyl 4-hydroxybenzoateNo data available.Propyl 4-hydroxybenzoateNo negative effectsRout of exposureoralSpeciesNo negative effectsMethodOECD 422RemarksBased on available data, the classification criteria are not met.methyl 4-hydroxybenzoateGaSpeciesitonNo negative effectsMethodOECD 422RemarksBased on available data, the classification criteria are not met.CarcinogenicityComponents)MethodOECD 422RemarksBased on available data, the classification criteria are not met.Carcinogenicity (Components)ERemarksnot determinedCarcinogenicity (Components)RemarksNo evidence available on carcinogenicity.Specific Target Organ Toxicity (STOT) (Components)GeraniolNo applicableRemarksNot applicable	Species evaluation	No experimental information on genotoxicity in vitr	o available.
evaluation       No mutagenicity according to various in vitro tests.         Method       OECD 471         methyl 4-hydroxybenzoate       Species         Species       mammal, species unspecified         Method       OECD 476         Remarks       negative         ethanol       etanol         evaluation       No mutagenicity in the Ames-test.         Reproductive toxicity       Remarks         Remarks       not determined         Reproduction toxicity (Components)       Geraniol         Geraniol       Geraniol         Remarks       No data available.         Propyl 4-hydroxybenzoate       Rats (male/female)         Dose       15000       ppm(m)         Duration of exposure       7       Weeks         evaluation       No negative effects         Method       OECD 422       Remarks         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species       rat         Species       rat       No negative effects         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         Carcrioogenicity       Remarks       not determined		OECD 476	
methyl 4-hydroxybenzoate       mammal, species unspecified         Species       mammal, species unspecified         Method       OECD 476         Remarks       negative         ethanol       evaluation         evaluation       No mutagenicity in the Ames-test.         Reproductive toxicity       Remarks         Reproduction toxicity (Components)       Geraniol         Geraniol       No data available.         Propyl 4-hydroxybenzoate       rate (male/female)         Dose       15000 ppm(m)         Duration of exposure       oral         Species       Rats (male/female)         Dose       15000 ppm(m)         Duration of exposure       7         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       rat         Species       rat         Dose       1000 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       No negative effects         Method       OECD 422         Remarks	evaluation		
Species       mammal, species unspecified         Method       OECD 476         Remarks       negative         ethanol       evaluation         evaluation       No mutagenicity in the Ames-test.         Remarks         Remarks         Remarks         Remarks         Remarks         Remarks         No data available.         Propyl 4-hydroxybenzoate         Species         Ratis (male/female)         Dose       15000 ppm(m)         Duration of exposure       7       Weeks         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.          63       d		OECD 471	
Method     OECD 476 Remarks       Remarks     negative       evaluation     No mutagenicity in the Ames-test.       Reproductive toxicity     not determined       Reproduction toxicity (Components)     Remarks       Geraniol     No data available.       Propyl 4-hydroxybenzoate     No data available.       Route of exposure     oral       Species     Rats (male/female)       Dose     15000 ppm(m)       Duration of exposure     7       Weeks     evaluation       evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       methyl 4-hydroxybenzoate     63 d       Pose     1000 mg/kg       Duration of exposure     63 d       evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       Tercinogenicity     Remarks       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       Carcinogenicity     Remarks       Method     OECD 422       Remarks     No tepermined       Carcinogenicity (Components)       Propyl 4-hydroxybenzoate		mammal species unspecified	
ethanol       No mutagenicity in the Ames-test.         Reproductive toxicity       Remarks         Reproduction toxicity (Components)         Geraniol         Remarks       No data available.         Propyl 4-hydroxybenzoate         Route of exposure       oral         Species       Rats (male/female)         Dose       15000         Duration of exposure       7         Weeks       No data available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       No agative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000         Duration of exposure       63         Oution of exposure       63         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       Carcinogenicity (Components)         Remarks       not determined         Carcinogenicity (Components)       Fropyl 4-hydroxybenzoate         Propyl 4-hydroxybenzoate			
evaluation No mutagenicity in the Ames-test.  Reproductive toxicity Remarks not determined  Remarks No data available.  Propyl 4-hydroxybenzoate Route of exposure oral Species Rats (male/female) Dose 15000 ppm(m) Duration of exposure 7 Weeks evaluation No negative effects Method OECD 422 Remarks Based on available data, the classification criteria are not met.  Species rat Dose 1000 mg/kg Duration of exposure 63 d evaluation No negative effects Method OECD 422 Remarks Based on available data, the classification criteria are not met.  Species rat Dose 1000 mg/kg Duration of exposure 63 d evaluation No negative effects Method OECD 422 Remarks Based on available data, the classification criteria are not met.  Species Rat Dose 1000 mg/kg Duration of exposure 63 d evaluation No negative effects Method OECD 422 Remarks Based on available data, the classification criteria are not met.  Fremarks DecD 422 Remarks DecD 423 Remarks DecD 424 Remarks DecD 444 Remarks DecD	Remarks	negative	
Remarks       not determined         Reproduction toxicity (Components)         Geraniol         Remarks       No data available.         Propyl 4-hydroxybenzoate         Route of exposure       oral         Species       Rats (male/female)         Dose       15000 ppm(m)         Duration of exposure       7         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422         Remarks       not determined         Carcinogenicity       Based on available data, the classification criteria are no		No mutagenicity in the Ames-test.	
Reproduction toxicity (Components)         Geraniol	Reproductive toxicity		
Geraniol       Remarks       No data available.         Propyl 4-hydroxybenzoate       oral         Route of exposure       oral         Species       Rats (male/female)         Dose       15000 ppm(m)         Duration of exposure       7         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       Remarks         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       Components)         Propyl 4-hydroxybenzoate       Remarks         Remarks       Not evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol       Remarks         Remarks       Not applicable         Propyl 4-hydroxybenzoate       Fremarks <td>Remarks</td> <td>not determined</td> <td></td>	Remarks	not determined	
Remarks       No data available.         Propyl 4-hydroxybenzoate       oral         Route of exposure       oral         Species       Rats (male/female)         Dose       15000 ppm(m)         Duration of exposure       7         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Dose       1000 mg/kg         Duration of exposure       63 d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       Remarks         Remarks       not determined         Carcinogenicity (Components)         Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (	Reproduction toxicity (Con	nponents)	
Propyl 4-hydroxybenzoate       oral         Route of exposure       oral         Species       Rats (male/female)         Dose       15000       ppm(m)         Duration of exposure       7       Weeks         evaluation       No negative effects       Weeks         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species       rat       Dose       1000       mg/kg         Duration of exposure       63       d       evaluation       No negative effects         Method       OECD 422       ased on available data, the classification criteria are not met.       Species       rat         Dose       1000       mg/kg       mg/kg       sexed on available data, the classification criteria are not met.         Dose       0Se 0       0A       Specification criteria are not met.       Specification criteria are not met.         Remarks       Based on available data, the classification criteria are not met.       Specification criteria are not met.       Specification criteria are not met.         Remarks       not determined       Specification criteria are not met.       Specification criteria are not met.         Specific Target Organ Toxicrogenicity       Specification criteria are no	Geraniol		
Route of exposure       oral         Species       Rats (male/female)         Dose       15000       ppm(m)         Duration of exposure       7       Weeks         evaluation       No negative effects       Weeks         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species       rat       Dose       1000       mg/kg         Duration of exposure       63       d       evaluation       No negative effects       Method       OECD 422         Remarks       1000       mg/kg       Duration of exposure       63       d       evaluation       No negative effects       Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.       Emarks       Based on available data, the classification criteria are not met.       Emarks       Dose       1000       No	Remarks	No data available.	
Species       Rats (male/female)         Dose       15000 ppm(m)         Duration of exposure       7       Weeks         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000 mg/kg         Duration of exposure       63         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Dose       1000 mg/kg         Duration of exposure       63         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       Remarks         Remarks       not determined         Carcinogenicity (Components)       Propyl 4-hydroxybenzoate         Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol       Remarks         Remarks       Not applicable      <			
Dose     15000     ppm(m)       Duration of exposure     7     Weeks       evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       methyl 4-hydroxybenzoate     Species       Species     rat       Dose     1000       Duration of exposure     63       evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       Carcinogenicity     OECD 422       Remarks     Based on available data, the classification criteria are not met.       Carcinogenicity     OECD 422       Remarks     not determined       Carcinogenicity (Components)       Propyl 4-hydroxybenzoate       Remarks     No evidence available on carcinogenicity.       Specific Target Organ Toxicity (STOT) (Components)       Geraniol       Remarks     Not applicable       Propyl 4-hydroxybenzoate	•		
Duration of exposure       7       Weeks         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       Species         Species       rat         Dose       1000       mg/kg         Duration of exposure       63       d         evaluation       No negative effects       Method         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       Remarks       No tegative effects       Method         Remarks       not determined       Carcinogenicity (Components)         Propyl 4-hydroxybenzoate       Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)       Specific Target Organ Toxicity (STOT) (Components)         Geraniol       Remarks       Not applicable         Remarks       Not applicable       Propyl 4-hydroxybenzoate			
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Remarks       Based on available data, the classification criteria are not met.         methyl 4-hydroxybenzoate       species         Species       rat         Dose       1000       mg/kg         Duration of exposure       63       d         evaluation       No negative effects       Method         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity         Remarks       not determined         Carcinogenicity (Components)         Remarks       No evidence available on carcinogenicity.         Specific Target Organ Tox::ry (STOT) (Components)         Geraniol         Remarks       Not applicable         Remarks       Not applicable	•	No negative effects	
methyl 4-hydroxybenzoate       rat         Dose       1000       mg/kg         Duration of exposure       63       d         evaluation       No negative effects       Method         Method       OECD 422       Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity       No tetermined       No evidence available on carcinogenicity.         Propyl 4-hydroxybenzoate       No evidence available on carcinogenicity.         Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicy (STOT) (Components)       Specific Target Organ Toxicy (STOT) (Components)         Geraniol       Not applicable         Remarks       Not applicable			
Species     rat       Dose     1000 mg/kg       Duration of exposure     63 d       evaluation     No negative effects       Method     OECD 422       Remarks     Based on available data, the classification criteria are not met.       Carcinogenicity     Remarks       Remarks     not determined       Carcinogenicity (Components)       Propyl 4-hydroxybenzoate       Remarks     No evidence available on carcinogenicity.       Specific Target Organ Toxicity (STOT) (Components)       Geraniol     Not applicable       Propyl 4-hydroxybenzoate		Based on available data, the classification criteria	are not met.
Dose       1000       mg/kg         Duration of exposure       63       d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity         Remarks       not determined         Carcinogenicity (Components)         Propyl 4-hydroxybenzoate Remarks         Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol Remarks         Remarks       Not applicable         Propyl 4-hydroxybenzoate         Remarks       Not applicable		rot	
Duration of exposure       63       d         evaluation       No negative effects         Method       OECD 422         Remarks       Based on available data, the classification criteria are not met.         Carcinogenicity         Remarks       not determined         Carcinogenicity (Components)         Propyl 4-hydroxybenzoate       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)       Geraniol         Remarks       Not applicable         Propyl 4-hydroxybenzoate       Not applicable			
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RemarksBased on available data, the classification criteria are not met.Carcinogenicitynot determinedCarcinogenicity (Components)Not determinedPropyl 4-hydroxybenzoate RemarksNo evidence available on carcinogenicity.Specific Target Organ Tox::ty (STOT) (Components)Not applicableGeraniol RemarksNot applicablePropyl 4-hydroxybenzoateNot applicable			
Carcinogenicity       not determined         Remarks       not determined         Carcinogenicity (Components)       Image: Component of the second of the sec			ara nat mat
Remarks       not determined         Carcinogenicity (Components)         Propyl 4-hydroxybenzoate Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol Remarks       Not applicable         Propyl 4-hydroxybenzoate       Vot applicable		based on available data, the classification chiena	are not met.
Carcinogenicity (Components)         Propyl 4-hydroxybenzoate         Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol       Not applicable         Remarks       Not applicable         Propyl 4-hydroxybenzoate       Not applicable		not determined	
Propyl 4-hydroxybenzoate Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol Remarks       Not applicable         Propyl 4-hydroxybenzoate			
Remarks       No evidence available on carcinogenicity.         Specific Target Organ Toxicity (STOT) (Components)         Geraniol Remarks       Not applicable         Propyl 4-hydroxybenzoate		ints)	
Geraniol Remarks Not applicable Propyl 4-hydroxybenzoate		No evidence available on carcinogenicity.	
Remarks Not applicable Propyl 4-hydroxybenzoate	Specific Target Organ Toxi	city (STOT) (Components)	
Propyl 4-hydroxybenzoate		Not applicable	
	Propyl 4-hydroxybenzoate Remarks	No data available	

Safety data sheet in accordance w	itii regu		) NO 1907/2000		
Trade name: Rosae aqua conservat	а				
Substance number: 035001		Versior	n: 4 / CH		Date revised: 06.02.202
		Replac	es Version: 3/	СН	Print date: 06.02.2
humans.					
Other information					
No toxicological data are av	ailable.				
SECTION 12: Ecological	inforn	nation *	:**		
12.1. Toxicity					
General information					
not determined					
Fish toxicity (Components	;)				
Geraniol	,				
LC50	Medi	3.45		mg/l	
Duration of our course	an	00	<b>b</b>		
Duration of exposure		96	h		
Propyl 4-hydroxybenzoate Species	zebra	fish (Brach	ydanio rerio)		
LC50		6.4	<i>y</i> ====;	mg/l	
Duration of exposure		96	h		
Method	OECD	203			
methyl 4-hydroxybenzoate Species	aolder	n orfe (Leu	ciscus idus)		
NOEC	9	50		mg/l	
Duration of exposure		48	h		
methyl 4-hydroxybenzoate	Onvaio	a latinaa			
Species LC50	Oryzia	as latipes 59.5		mg/l	
Duration of exposure		96	h	3	
Method	OECD	203			
Daphnia toxicity (Compon	ents)				
Geraniol					
Remarks	No da	ta available	Э.		
Propyl 4-hydroxybenzoate Species	Danhr	nia magna			
EC50	Dapin	15.4		mg/l	
Duration of exposure		48	h	-	
Method	ISO 6	341			
methyl 4-hydroxybenzoate Species	Danhr	nia magna			
NOEC	Dapin	0.2		mg/l	
Duration of exposure		21	d		
Method Source	OECD Manuf	211 acturer's d	ata		
methyl 4-hydroxybenzoate	Mana				
Species	Daphr	nia magna			
EC50		11.2	<b>b</b>	mg/l	
Duration of exposure	ta)	48	h		
Algae toxicity (Componen	(5)				
Geraniol Remarks	No do	ta available	2		
Propyl 4-hydroxybenzoate	i io ud				
Species	Deeud	lokirobooriy	ella subcapitata		

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Frade name: Rosae aqua conserva	ta			
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		aces Version: 3/0	<u>~⊔</u>	Print date: 06.02.
	Тері		511	
EC50	15		mg/l	
Duration of exposure	72	h	g/i	
Method	ISO 8692			
Propyl 4-hydroxybenzoate				
Species	Pseudokirchne	riella subcapitata		
NOEC	2.1		mg/l	
Duration of exposure	72	h		
Method	OECD 201			
Propyl 4-hydroxybenzoate	<b>D</b>			
Species		riella subcapitata	···· ··· //	
EC50	16 72	h	mg/l	
Duration of exposure Method	0ECD 201	h		
methyl 4-hydroxybenzoate Species	Pseudokirchno	riella subcapitata		
EC50	91		mg/l	
Duration of exposure	72	h		
methyl 4-hydroxybenzoate				
NOEC	17		mg/l	
Duration of exposure	72	h	5	
Method	OECD 201			
methyl 4-hydroxybenzoate				
Species	Pseudokirchne	riella subcapitata		
NOEC	20		mg/l	
Duration of exposure	72	h		
Method	ISO 8692			
Bacteria toxicity (Compon	ents)			
Geraniol				
Remarks	No data availal	ole.		
methyl 4-hydroxybenzoate				
Species	Pseudomonas	fluorescens		
EC0	500		mg/l	
2.2. Persistence and degra	dabilitv			
General information				
not determined				
Physico-chemical elimina	bility (Compon	ents)		
Geraniol				
Remarks	No data availal	ole.		
Biodegradability (Compor	nents)			
Geraniol	-			
Remarks	No data availal	ole.		
Propyl 4-hydroxybenzoate				
Value	91.5		%	
Duration of test	28	d		
evaluation	Readily biodeg	radable		
Method	OECD 301F			
methyl 4-hydroxybenzoate				
Value	92.2		%	
Duration of test	28 Deselite triade a	d		
evaluation Mothed	Readily biodeg	radadie		
Method	OECD 301F			

Safety data sheet in accordance	with regulation (EC) No 1907/2006		HÄNSELER
Trade name: Rosae aqua conserv	vata		
Substance number: 035001	Version: 4 / CH		Date revised: 06.02.2024
	Replaces Version: 3 / CH		Print date: 06.02.24
methyl 4-hydroxybenzoat	•		
Value	89 %	/ 0	
Duration of test	28 d		
evaluation	Readily biodegradable		
Method ethanol	OECD 301 B		
evaluation	Readily biodegradable		
Ready degradability (Co			
Geraniol			
Remarks	No data available.		
Chemical oxygen demar	nd (COD) (Components)		
Geraniol			
Remarks	No data available.		
ethanol	0.00		
Value Biochomical ovygan dar	0.93 to 1.67	mg/g	
	nand (BOD5) (Components)		
Geraniol Remarks	No data available.		
12.3. Bioaccumulative pot	ential		
General information			
not determined			
Partition coefficient n-od	ctanol/water (log value)		
Remarks	not determined		
Octanol/water partition of	coefficient (log Pow) (Components)		
Propyl 4-hydroxybenzoat	e		
log Pow	2.8		
methyl 4-hydroxybenzoat			
log Pow	1.98		
ethanol log Pow	-0.3		
Bioconcentration factor			
ethanol	(Bor) (components)		
BCF	0.66		
12.4. Mobility in soil			
General information			
not determined			
Mobility in soil (Compor	nents)		
methyl 4-hydroxybenzoat	-		
Highly mobile in soils			
12.5. Results of PBT and v	PvB assessment		
General information			
not determined			
Results of PBT and vPv	B assessment ***		
The product contains no			
The product contains no	vPvB substances.		



Trade name: Rosae aqua conservata

Substance number: 035001

Version: 4 / CH Replaces Version: 3 / CH Date revised: 06.02.2024

Print date: 06.02.24

## 12.6 Endocrine disrupting properties

#### Endocrine disrupting properties with respect to the envrionment

The product does not contain a substance that has endocrine disrupting properties with respect to nontarget organisms.

## 12.7. 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 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	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	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	Not water hazardous
(Germany)	
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

## 15.2. Chemical safety assessment

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

# **SECTION 16: Other information**

## 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.