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Page 1 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

RTV Silicone Sealer Red K165

200 ml Art.: 6480 4555, Art.: 6484 4555

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

Seam sealant

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

Theo Förch GmbH & Co. KG Theo-Förch-Str. 11 – 15 74196 Neuenstadt Tel.: 07139/95-0 Fax: 07139/95-199

Email: info@foerch.de Homepage: www.foerch.com

Details of the supplier of the safety data sheet see section 16 of this safety data sheet.

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (TFC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)
Hazard class Hazard category Hazard statement

Aquatic Chronic 3 H412-Harmful to aquatic life with long lasting effects. Aerosol 3 H229-Pressurised container: May burst if heated.

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Page 2 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Warning

H412-Harmful to aquatic life with long lasting effects. H229-Pressurised container: May burst if heated.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251-Do not pierce or burn, even after use. P273-Avoid release to the environment.

P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

<1 % by mass of the contents are flammable.

Without adequate ventilation, formation of explosive mixtures may be possible.

2.3 Other hazards

The mixture contains a vPvB substance (vPvB = very persistent, very bioaccumulative).

The mixture contains a PBT substance (PBT = persistent, bioaccumulative, toxic).

The mixture does not contain any substance with endocrine disrupting properties (< 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Substances

n.a. 3.2 Mixtures

Propyltriacetoxysilane	
Registration number (REACH)	01-2119966899-07-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	241-816-9
CAS	17865-07-5
content %	1-<5
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	EUH071
	Skin Corr. 1B, H314
	Eye Dam. 1, H318

Methylsilanetriyl triacetate	
Registration number (REACH)	01-2119962266-32-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	224-221-9
CAS	4253-34-3
content %	1-<5
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	EUH014
	Acute Tox. 4, H302
	Skin Corr. 1C, H314
	Eve Dam. 1. H318

Octamethylcyclotetrasiloxane	PBT-substance
	vPvB-substance
	SVHC-substance
Registration number (REACH)	01-2119529238-36-XXXX
Index	014-018-00-1
EINECS, ELINCS, NLP, REACH-IT List-No.	209-136-7
CAS	556-67-2
content %	<0,1
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Repr. 2, H361f
	Aquatic Chronic 1, H410 (M=10)

Impurities, test data and additional information may have been taken into account in classifying and labelling the product.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures



Page 3 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Wipe off residual product carefully with a soft, dry cloth.

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media

Extinction powder

Foam

Water jet spray

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic gases

Danger of bursting (explosion) when heated

5.3 Advice for firefighters

For personal protective equipment see Section 8.

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

Full protection, if necessary.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.

Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

6.2 Environmental precautions

Prevent from entering drainage system.



Page 4 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Prevent surface and ground-water infiltration, as well as ground penetration. If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

Or:

Allow product to harden.

Pick up mechanically and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Avoid contact with eyes.

Avoid long lasting or intensive contact with skin.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Observe special regulations for aerosols!

Keep protected from direct sunlight and temperatures over 50°C.

Do not store with oxidizing agents.

Store in a well ventilated place.

Store cool.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Cileillica	INaille	Silica, arriorprious				
WEL-TWA:	6 mg/m3 (total inh. dust	t), 2,4 mg/m3	WEL-STEL:			
(resp. dust)						
Monitoring pro	ocedures:	-				
BMGV:					Other information:	
Chemica	l Name	Iron(III)oxide				
	5 mg/m3 (fume, as Fe)		WEL-STEL:	10 mg/m3 (fume, a	as Fe)	
	0 mg/m3 (total inh. dus		WLL-OTEL.	ro mg/mo (rame, e	3310)	
<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>	ι)				
Monitoring pro	ocedures:	-				
BMGV:					Other information:	
© Chemica		Acetic acid				
WEL-TWA:	10 ppm (25 mg/m3) (W	EL, EU)	WEL-STEL:	20 ppm (50 mg/m3	3) (WEL, EU)	
Monitoring pro	ocedures:	- [Draeger - Acetic	Acid 5/a (67 22 10	1)	
•		- (Compur - KITA-2	216 S (549 194)	•	
		- N	JIOSH 1603 (A	retic acid in workpla	ice atmospheres) - 1994	
			•	Acetic acid) - 2003	- EO project BC/CEN/EN	NTR/000/2002-16 card 64-5
		- (2004)			
BMGV:		,	•		Other information:	



Page 5 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016 Valid from: 11.05.2022

PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	Note
	Environmental					
	compartment					
	Environment - freshwater		DNEL	0,02441	mg/l	
	Environment - sewage treatment plant		PNEC	10,55	mg/l	
	Environment - soil		PNEC	0,00336	mg/kg dw	
	Environment - marine		PNEC	0,00244 1	mg/l	
	Environment - sediment, marine		PNEC	0,00145 7	mg/kg dw	
	Environment - sediment, freshwater		PNEC	0,01457	mg/kg dw	
Consumer	Human - oral	Long term, systemic effects	DNEL	6,05	mg/kg bw/d	
Consumer	Human - dermal	Long term, systemic effects	DNEL	6,05	mg/kg bw/d	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	21,06	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	85,39	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	12,11	mg/kg bw/d	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Human - inhalation	Long term, systemic effects	DNEL	6,3	mg/m3	
	Environment - freshwater		PNEC	1	mg/l	
	Environment - sewage treatment plant		PNEC	10	mg/l	
	Environment - soil		PNEC	0,145	mg/kg dw	
	Environment - marine		PNEC	0,1	mg/l	
	Environment - sediment, marine		PNEC	0,34	mg/kg dw	
	Environment - sediment, freshwater		PNEC	3,4	mg/kg dw	
	Environment - water, sporadic (intermittent) release		PNEC	10	mg/l	
Consumer	Human - oral	Short term, systemic effects	DNEL	1	mg/kg bw/d	
Consumer	Human - oral	Long term, systemic effects	DNEL	1	mg/kg bw/d	
Consumer	Human - dermal	Short term, systemic effects	DNEL	7,2	mg/kg bw/d	
Consumer	Human - dermal	Long term, systemic effects	DNEL	7,2	mg/kg bw/d	
Consumer	Human - inhalation	Short term, local effects	DNEL	5,1	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	6,3	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	5,1	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	31	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	25	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	31	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	25	mg/m3	



Page 6 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Workers / employees	Human - dermal	Short term, systemic effects	DNEL	14,5	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	14,5	mg/kg bw/d	

Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,44	μg/l	
	Environment - marine		PNEC	0,044	μg/l	
	Environment - sediment, freshwater		PNEC	0,59	mg/kg dry weight	
	Environment - sediment, marine		PNEC	0,059	mg/kg dry weight	
	Environment - soil		PNEC	0,15	mg/kg dry weight	
	Environment - sewage treatment plant		PNEC	10	mg/l	
	Environment - oral (animal feed)		PNEC	41	mg/kg feed	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	13	mg/m3	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	13	mg/m3	
Consumer	Human - inhalation	Long term, local effects	DNEL	13	mg/m3	
Consumer	Human - inhalation	Short term, local effects	DNEL	13	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	3,7	mg/kg bw/day	
Consumer	Human - oral	Short term, systemic effects	DNEL	3,7	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	73	mg/m3	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	73	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	73	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	73	mg/m3	

Silica, amorphous						
Area of application Exposure route / Effect on health Descriptor Value Unit Note						
	Environmental					
	compartment					
	Environment - oral (animal		PNEC	60000	mg/kg feed	
	feed)					
Workers / employees	Human - inhalation	Long term, local effects	DNEL	4	mg/m3	

Iron(III)oxide						
Area of application	Exposure route / Environmental	Effect on health	Descriptor	Value	Unit	Note
	compartment					
Workers / employees	Human - inhalation	Long term, local effects	DNEL	10	mg/m3	

trans-1,3,3,3-tetrafluoroprop-1-ene							
Area of application	Exposure route / Environmental	Effect on health	Descriptor	Value	Unit	Note	
	compartment						
	Environment - freshwater		PNEC	0,1	mg/l		
Consumer	Human - inhalation	Long term, systemic effects	DNEL	830	mg/m3		



Page 7 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

١.							
	Workers / employees	Human - inhalation	Long term, systemic	DNEL	3902	mg/m3	[
H	vvoikers / employees	numan - imalalion	Long term, systemic	DINEL	330Z	ing/ins	[
Ш			offooto			_	[
			effects				[

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU), 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Recommended

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Chemical resistant protective gloves (EN ISO 374).

Recommended

Protective nitrile gloves (EN ISO 374).

Minimum layer thickness in mm:

>= 0,5

Permeation time (penetration time) in minutes:

>= 480

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.

The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:

Normally not necessary.

If air supply is not sufficient, wear protective breathing apparatus.

Filter P2 (EN 143), code colour white

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.



Page 8 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Paste, liquid. The propellant is not released when used in accordance

with the regulations.

Colour: Red

Odour: Characteristic

Melting point/freezing point: There is no information available on this parameter. Boiling point or initial boiling point and boiling range: There is no information available on this parameter.

Flammability: Does not apply to aerosols.

Lower explosion limit: n.a.

Upper explosion limit: n.a.

Flash point:

Does not apply to aerosols. Auto-ignition temperature: Does not apply to aerosols.

Decomposition temperature: There is no information available on this parameter.

Mixture is non-soluble (in water). Kinematic viscosity: Does not apply to aerosols.

Solubility: Insoluble

Partition coefficient n-octanol/water (log value): Does not apply to mixtures.

Vapour pressure: Product is not volatile.

Density and/or relative density: 1,08 g/ml (20°C) Relative vapour density: Does not apply to aerosols. Particle characteristics: Does not apply to aerosols.

9.2 Other information

Explosives: Product is not explosive.

Oxidizing solids:

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents.

10.6 Hazardous decomposition products

See also section 5.2

When hardening:

Acetic acid

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).



Page 9 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016 Valid from: 11.05.2022

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RTV Silicone Sealer Red K165									
200 ml Art.: 6480 4555, Art.: 6484 4555									
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes			
Acute toxicity, by oral route:	ATE	>2000	mg/kg			calculated value			
Acute toxicity, by dermal route:						n.d.a.			
Acute toxicity, by inhalation:						n.d.a.			
Skin corrosion/irritation:				Rabbit	(Patch-Test)	Not irritant			
Serious eye damage/irritation:				Rabbit		Not irritant			
Respiratory or skin						n.d.a.			
sensitisation:									
Germ cell mutagenicity:						n.d.a.			
Carcinogenicity:						n.d.a.			
Reproductive toxicity:						n.d.a.			
Specific target organ toxicity -						n.d.a.			
single exposure (STOT-SE):									
Specific target organ toxicity -						n.d.a.			
repeated exposure (STOT-RE):									
Aspiration hazard:						n.d.a.			
Symptoms:						n.d.a.			

Methylsilanetriyl triacetate						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	1600	mg/kg	Rat		
Symptoms:						mucous membrane irritation

Octamethylcyclotetrasiloxane	_	_				
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>4800	mg/kg	Rat	OECD 401 (Acute Oral	Male
					Toxicity)	
Acute toxicity, by dermal route:	LD50	>2500	mg/kg	Rat	OECD 402 (Acute	
					Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	36	mg/l/4h	Rat	OECD 403 (Acute	Aerosol
					Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye damage/irritation:				Rat	OECD 405 (Acute Eye	Not irritant
					Irritation/Corrosion)	
Respiratory or skin				Mouse	OECD 429 (Skin	No (skin contact)
sensitisation:					Sensitisation - Local	
					Lymph Node Assay)	
Respiratory or skin				Guinea pig	OECD 406 (Skin	No (skin contact)
sensitisation:					Sensitisation)	
Germ cell mutagenicity:						Negative
Reproductive toxicity:						Repr. 2
Symptoms:						mucous
						membrane
						irritation

Silica, amorphous						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral	Analogous
					Toxicity)	conclusion
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		References
Acute toxicity, by inhalation:	LC50	>0,139	mg/l/4h	Rat		References,
						Maximum
						achievable
						concentration.
Skin corrosion/irritation:				Rabbit		Not irritant,
						References



Page 10 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Serious eye damage/irritation:	Rabbit	Not irritant,
		Mechanical
		irritation
		possible.,
		References
Respiratory or skin	Guinea pig	Not sensitizising
sensitisation:		
Germ cell mutagenicity:		Negative
Carcinogenicity:		No indications of
		such an effect.
Reproductive toxicity		No indications of
(Developmental toxicity):		such an effect.
Symptoms:		eyes, reddened

Iron(III)oxide						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		Analogous
						conclusion
Acute toxicity, by inhalation:	LC50	>210	mg/m3	Rat		
Skin corrosion/irritation:				Rabbit		Not irritant,
						Analogous
						conclusion,
						Mechanical
						irritation possible
Serious eye damage/irritation:				Rabbit		Not irritant,
						Analogous
						conclusion,
						Mechanical
						irritation possible
Germ cell mutagenicity:						No indications of
						such an effect.
Carcinogenicity:						No indications of
						such an effect.
Reproductive toxicity:						No indications of
						such an effect.
Aspiration hazard:						No
Symptoms:						respiratory
						distress,
						coughing,
						mucous
						membrane
						irritation

11.2. Information on other hazards

RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555								
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes		
Endocrine disrupting properties:						Does not apply		
						to mixtures.		
Other information:						No other		
						relevant		
						information		
						available on		
						adverse effects		
						on health.		

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

RTV Silicone Sealer Red K165									
200 ml Art.: 6480 4555, Art.: 6484 4555									
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes		
12.1. Toxicity to fish:							n.d.a.		
12.1. Toxicity to daphnia:							n.d.a.		



Page 11 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016 Valid from: 11.05.2022

PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

12.1. Toxicity to algae:	n.d.a.
12.2. Persistence and	n.d.a.
degradability:	
12.3. Bioaccumulative	n.d.a.
potential:	
12.4. Mobility in soil:	n.d.a.
12.5. Results of PBT	n.d.a.
and vPvB assessment	
12.6. Endocrine	Does not apply
disrupting properties:	to mixtures.
12.7. Other adverse	No information
effects:	available on
	other adverse
	effects on the
	environment.
Other information:	According to the
	recipe, contains
	no AOX.
Other information:	DOC-elimination
	degree(complexi
	ng organic
	substance)>=
	80%/28d: n.a.

Octamethylcyclotetrasilo	oxane						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3. Bioaccumulative potential:	BCF	28d	12400		Pimephales promelas		
12.1. Toxicity to fish:	NOEC/NOEL	14d	0,0068	mg/l			
12.1. Toxicity to fish:	LC50	96h	>500	mg/l	Brachydanio rerio		
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Lepomis macrochirus		
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Salmo gairdneri		
12.1. Toxicity to daphnia:	NOEC/NOEL	21d	0,0079	mg/l	Daphnia magna		
12.1. Toxicity to algae:	ErC10	96h	0,022	mg/l	-		
12.2. Persistence and degradability:			3,7	%		OECD 310 (Ready Biodegradability - CO2 in sealed vessels (Headspace Test))	29d
12.3. Bioaccumulative potential:	Log Pow		5,1				
Toxicity to bacteria:	EC50	3h	>10000	mg/l	activated sludge		

Silica, amorphous							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>10000	mg/l	Brachydanio rerio	OECD 203 (Fish,	
·						Acute Toxicity	
						Test)	
12.1. Toxicity to daphnia:	EC50	24h	>10000	mg/l	Daphnia magna	OECD 202	
						(Daphnia sp.	
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EL50	72h	>10000	mg/l		OECD 201 (Alga,	
						Growth Inhibition	
						Test)	
12.2. Persistence and							Abiotically
degradability:							degradable.
12.3. Bioaccumulative							Not to be
potential:							expected
12.4. Mobility in soil:							Not to be
							expected



Page 12 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

12.5. Results of PBT			N	o PBT
and vPvB assessment			sı	ubstance, No
			∨F	PvB substance

Iron(III)oxide							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Leuciscus idus		Analogous
							conclusion
12.1. Toxicity to daphnia:	EC50	48h	>100	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.2. Persistence and							Not relevant for
degradability:							inorganic
							substances.
12.3. Bioaccumulative							Not to be
potential:							expected
Toxicity to bacteria:	EC50	3h	>10000	mg/l	activated sludge	ISO 8192	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no .:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

allocated under certain circumstances. (2014/955/EU)

 $07\ 02\ 17$ waste containing silicones other than those mentioned in $07\ 02\ 16$

16 05 04 gases in pressure containers (including halons) containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Take full aerosol cans to problem waste collection.

Take emptied aerosol cans to valuable material collection.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Do not perforate, cut up or weld uncleaned container.

15 01 02 plastic packaging

15 01 04 metallic packaging

SECTION 14: Transport information

General statements

14.1. UN number or ID number: 1950

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

UN 1950 AEROSOLS

14.3. Transport hazard class(es):

14.4. Packing group:

Classification code:

LQ:

14.3. Transport hazard class(es):

Classification code:

5A

LQ:

14.5. Environmental hazards: Not applicable

Tunnel restriction code:

Transport by sea (IMDG-code)

14.2. UN proper shipping name:

AEROSOLS

14.3. Transport hazard class(es): 2.2







- (B)

Page 13 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

14.4. Packing group:

EmS: F-D, S-U Marine Pollutant: n.a

14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name:

Aerosols, non-flammable

14.3. Transport hazard class(es): 2.2

14.4. Packing group:

14.5. Environmental hazards: Not applicable



Persons employed in transporting dangerous goods must be trained.

All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage.

14.7. Maritime transport in bulk according to IMO instruments

Freighted as packaged goods rather than in bulk, therefore not applicable.

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

Comply with special provisions.

SECTION 15: Regulatory information

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

Observe restrictions:

Regulation (EC) No 1907/2006, Annex XVII

Octamethylcyclotetrasiloxane

Comply with trade association/occupational health regulations.

Regulation (EU) No 649/2012 'concerning the export and import of hazardous chemicals' must be adhered to, as the product contains a substance that falls within the scope of this Regulation.

Directive 2010/75/EU (VOC):

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

2, 3, 8, 11, 12

0,7461 %

Employee training in handling dangerous goods is required.

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation	Evaluation method used
(EC) No. 1272/2008 (CLP)	
Aquatic Chronic 3, H412	Classification according to calculation procedure.
Aerosol 3, H229	Classification based on the form or physical state.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H314 Causes severe skin burns and eye damage.

H361f Suspected of damaging fertility.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H410 Very toxic to aquatic life with long lasting effects.

EUH014 Reacts violently with water.

EUH071 Corrosive to the respiratory tract.





Page 14 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Aerosol — Aerosols Skin Corr. — Skin corrosion Eye Dam. — Serious eye damage Acute Tox. — Acute toxicity - oral Repr. — Reproductive toxicity

Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

ZAE Le Marchais Renard
CS 50125 Montereau-sur-le-Jard

77019 Melun Cedex Frankreich

Tel. +33 1 64 14 48 48 Fax. +33 1 64 14 48 49 E-Mail: info@forch.fr Internet: www.forch.fr S.C. Foerch S.R.L. Str. Zizinului nr.110 500407 Brasov Rumänien Tel. +40 368 408192

Fax. +40 368 408193 E-Mail: info@foerch.ro Internet: www.foerch.ro Foerch AG Muttenzerstrasse 143

4133 Pratteln Schweiz

Tel. +41 61 8262031 Fax. +41 61 8262039 E-Mail: info@foerch.ch Internet: www.foerch.ch

Foerch Bulgaria EOOD 475 Botevgradsko Shose Blvd. BG 1517 Sofia, Bulgaria Tel. 00359 2 981 2841 Fax. 00359 982 10 30 86 E-Mail: info@foerch.bg Förch d.o.o. Buzinska cesta 58 10010 Zagreb Kroatien Tel. +385 1 2912900

Fax. +385 1 2912901 E-Mail: info@foerch.hr internet: www.foerch.hr Theo Förch GmbH Röcklbrunnstraße 39A 5020 Salzburg Österreich

Tel. +43 662 875574-0 Fax +43 662 878677-21

Verkauf Tel. +43 662 875574-900 Verkauf Fax +43 662 875574-30

E-Mail: info@foerch.at Internet: www.foerch.at

Förch Componentes para Taller S.L. Camino de San Antón, S/N 18102 Ambroz (Granada)

Spanien

Tel. +34 958 40 17 76 Fax. +34 958 40 17 87 E-Mail: info@forch.es Internet: www.forch.es Förch A/S Hagemannsvej 3 8600 Silkeborg Dänemark Tel. +45 86 823711 Fax. +45 86 800617 E-Mail: info@foerch.dk

Internet: www.foerch.dk

Lhomme Tools & Fasteners BV Seinhuisstraat 5 B4

Poort 0331 3600 Genk Belgien

Tel. +32 89 71 66 61 E-Mail: info@lhommetools.be

Ziebe Limited 7 Century Court, Westcott, Aylesbury, Bucks, HP18 0XP (UK) Grossbritannien

Tel +44 12 96 65 52 82 E-Mail: sales@ziebe.co.uk Internet: www.ziebe.co.uk Førch Polska Sp. z.o.o Mikdzyrzecze Gørne 379 43-392 K/Bielska-Bialej

Polen

Tel. +48 338196000 Fax. +48 338158548 E-Mail: info@forch.pl Internet: www.forch.pl Ethnikis Antistasis 62 57007 Chalkidona-Thessaloniki

Internet: www.lhommetools.be

Griechenland

Vardalis SM P.C.

Tel. +30 23910 21222 Fax. +30 23910 21223 E-Mail: info@forch.gr Internet: www.forch.gr



Page 15 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Förch Kereskedelmi Kft Börgöndi út 14 8000 Székesfehérvár Ungarn

Tel. +36 22 348348 Fax. +36 22 348355 E-Mail: info@foerch.hu Internet: www.foerch.hu

AB varahlutir ehf Funahöfði 9 110 Reykjavík Tel. +354 567 6020 E-mail: ab@ab.is

Internet: www.ab.is

Förch, s.r.o. Dopravní 1314/1

104 00 Praha 10 – Uhøínìves

Tschechien

Tel. +420 271 001 984-9 E-Mail: info@foerch.cz Internet: www.foerch.cz

Troscoe Ltd Unit 6, 13 Highbrook Drive East Tamaki 2013, New Zealand Tel: +64 21 081 30780 / +64 21 024 05583

Email:sales@forchnz.co.nz Internet: www.forchnz.co.nz

Förch Otom.Ins.ve San.Ürün.Paz.Ltd.Sti. Haramidere Mevkii Beysan Sanayi Sitesi Birlik Caddesi No:6/3 34524 Beylikdüzü / Istanbul

Tel. +90 (0)212 422 8744-45 Fax. +90 (0)212 422 8788 E-Mail: info@forch.com.tr Internet: www.forch.com.tr Förch S.r.l.

Via Antonio Stradivari 4 39100 Bolzano (BZ)

Italien

Tel: +39 0471 204330 Fax: +39 0471 204290 E-Mail: info@forch.it Internet: www.forch.it

Förch Slovensko s.r.o. Rosinská cesta 8 010 08 Žilina Slowakei

Tel +421 41 5002454 E-Mail: info@forch.sk Internet: www.forch.sk

FORCH d.o.o. Ljubljanska cesta 51A

1236 Trzin Slowenien

Tel. +386 1 2442490 Fax. +386 1 2442492 E-Mail: info@foerch.si Internet: www.foerch.si

Förch Portugal Lda

Centro Empresarial Sintra-Estoril III Rua Pé de Mouro, Nr 33, Armazém J

2710-335 Sintra

Portugal Tel. +351 917314442 E-Mail: info@forch.pt Internet: www.forch.pt

Total Consumables Ltd Coolnafearagh Monasterevin Co. Kildare W34 TX29

Irland Tel. +353871271473 Förch Nederland BV Twentepoort Oost 51 7609 RG Almelo Niederlande Tel. +31 85 77 32 420

Tel. +31 85 77 32 420 E-Mail: info@foerch.nl Internet: www.foerch.nl

Förch Sverige AB Brännarevägen 1 151 55 Södertälje Schweden

Tel. +46 855089264 E-mail: info@foerch.se Internet: www.foerch.se

Forch Australia 2 Forward Street Gnangara WA 6077 Tel. +61 (08) 9303 9113 Fax. +61 (08) 9303 9114

Emergency telephone: +614 13 550 330

Email: sales@forch.com.au Internet: www.forch.com.au

Trigers SIA Straupes iela 3 1073 Riga Lettland

Tel. +371 6 7 90 25 15 Fax. +371 67 90 24 96 E-Mail: trigers@trigers.lv Internet: www.trigers.lv

Venus Arma d.o.o.

Partner Theo Förch GmbH & Co. KG

Batajnicki drum 18a 11080 Zemun Republika Srbija Tel. +381 11 407-20-91 Fax. +381 11 407-20-91

E-Mail: office@foerch.rs Internet: www.foerch.rs

Any abbreviations and acronyms used in this document:

acc., acc. to according, according to

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

ASTM ASTM International (American Society for Testing and Materials)

ATE Acute Toxicity Estimate

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)



-(GB)

Page 16 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

BCF Bioconcentration factor

BSEF The International Bromine Council

bw body weight

CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances

and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

DMEL Derived Minimum Effect Level
DNEL Derived No Effect Level
DOC Dissolved organic carbon

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)

EC European Community
ECHA European Chemicals Agency
ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100)

ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ErCx, EµCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)

etc. et cetera EU European Union

EVAL Ethylene-vinyl alcohol copolymer

Fax. Fax number gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

Koc Adsorption coefficient of organic carbon in the soil octanol-water partition coefficient
IARC International Agency for Research on Cancer
IATA International Air Transport Association

IBC (Code) International Bulk Chemical (Code)

IMDG-code International Maritime Code for Dangerous Goods

incl. including, inclusive

IUCLID International Uniform Chemical Information Database IUPAC International Union for Pure Applied Chemistry LC50 Lethal Concentration to 50 % of a test population

LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)

Log Koc Logarithm of adsorption coefficient of organic carbon in the soil Log Kow, Log Pow Logarithm of octanol-water partition coefficient

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable n.av. not available n.c. not checked n.d.a. no data available

NIOSH National Institute for Occupational Safety and Health (USA)

NLP No-longer-Polymer

NOEC, NOEL No Observed Effect Concentration/Level

OECD Organisation for Economic Co-operation and Development

org. organic

OSHA Occupational Safety and Health Administration (USA)

PBT persistent, bioaccumulative and toxic

PE Polyethylene

PNEC Predicted No Effect Concentration

ppm parts per million PVC Polyvinylchloride

REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International

Carriage of Dangerous Goods by Rail)

SVHC Substances of Very High Concern



Page 17 of 17

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 11.05.2022 / 0017

Replacing version dated / version: 03.02.2022 / 0016

Valid from: 11.05.2022 PDF print date: 11.05.2022 RTV Silicone Sealer Red K165 200 ml Art.: 6480 4555, Art.: 6484 4555

Telephone Tel.

TOC Total organic carbon

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

wet weight wwt

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by: Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

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