

Page 1 of 14 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 16.07.2019 / 0001 Replacing version dated / version: 16.07.2019 / 0001 Valid from: 16.07.2019 PDF print date: 16.07.2019 Silicone Sanitary plus s-white 9003 310 ml Art.: 9093992

> 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

Silicone Sanitary plus s-white 9003 310 ml Art.: 9093992

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture:
Silicone sealant
Uses advised against:
No information available at present.

1.3 Details of the supplier of the safety data sheet

BTI Befestigungstechnik GmbH & Co. KG, Salzstr. 51, 74653 Ingelfingen, Germany Phone:+49 7940 141 141, Fax:+49 7940 141 9141 info@bti.de, www.bti.de

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 (BRC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP) The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

2.2 Label elements

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

EUH208-Contains 4,5-Dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. EUH210-Safety data sheet available on request.

2.3 Other hazards



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The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

3.2 Iviixtui e	
Triacetoxyethylsilane	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	241-677-4
CAS	17689-77-9
content %	1-<3
Classification according to Regulation (EC) 1272/2008	Acute Tox. 4, H302
(CLP)	Skin Corr. 1B, H314
	Eye Dam. 1, H318

Oligomeric ethyl and methylacetoxysilanes	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	
content %	<2
Classification according to Regulation (EC) 1272/2008	Skin Corr. 1B, H314
(CLP)	Eye Dam. 1, H318

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

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.



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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.
Sensitive individuals:
Allergic reaction possible.
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 Water jet spray/foam/CO2/dry extinguisher 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 Silicon dioxide Formaldehyde Toxic gases 5.3 Advice for firefighters 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
Ensure sufficient supply of air.
Avoid contact with eyes or skin.
If applicable, caution - risk of slipping.
6.2 Environmental precautions
If leakage occurs, dam up.
Resolve leaks if this possible without risk.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
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.
Flush residue using copious water.
Or:



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Allow product to harden.Pick up mechanically and dispose of according to Section 13.6.4 Reference to other sectionsFor 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. An combustible atmosphere can develop in closed vessels. Remove possible causes of ignition - do not smoke. Take measures against electrostatic charging, if appropriate. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. 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 Not to be stored in gangways or stair wells. Store product closed and only in original packing. Store in a well ventilated place. Store cool. Store in a dry place. 7.3 Specific end use(s) No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Acetic acid			Content %:	
WEL-TWA: 10 ppm	(25 mg/m3) (WEL,	WEL-STEL: 20 ppm (50 mg/m3) (WEL,			
EU)		EU)			
Monitoring procedures	-	Compur - KITA-216 S (549 194)			
	-	Draeger - Acetic Acid 5/a (67 22 101)			
		OSHA ID-186SG (Acetic acid and formic acid	l in worl	xplace	
	-	atmospheres)		-	
		OSHA PV2119 (Acetic acid) - 2003 - EU proj	ect		
- BC/CEN/ENTR/000/2002-16 card 64-5 (2004)					
	-	NIOSH 1603 (Acetic acid in workplace atmos	pheres)	- 1994	
BMGV:		Other information	1:		



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Triacetoxyethylsilane						
Area of application	Exposure route /	Effect on health	Descript	Value	Unit	Note
	Environmental		or			
	compartment					
	Environment -		PNEC	0,2	mg/l	
	freshwater					
	Environment - marine		PNEC	0,02	mg/l	
	Environment -		PNEC	0,16	mg/kg	
	sediment, freshwater					
	Environment -		PNEC	0,016	mg/kg	
	sediment, marine					
	Environment - soil		PNEC	0,031	mg/kg	
	Environment -		PNEC	1	mg/l	
	sewage treatment					
	plant					
Consumer	Human - inhalation	Short term, local	DNEL	65	mg/m3	
		effects				
Consumer	Human - inhalation	Long term, local	DNEL	10,8	mg/m3	
		effects				
Workers / employees	Human - inhalation	Long term, local	DNEL	32,5	mg/m3	
		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 (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU).
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.

8.2 Exposure controls8.2.1 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. BS EN 14042.

BS 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.



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

Eye/face protection: Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Chemical resistant protective gloves (EN 374). Recommended Protective nitrile gloves (EN 374). Minimum layer thickness in mm: > 0.1Permeation time (penetration time) in minutes: 60 - 120 Protective gloves in butyl rubber (EN 374). Minimum layer thickness in mm: > 0,3 Permeation time (penetration time) in minutes: > 480The 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. Protective hand cream recommended.

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

Respiratory protection: Normally not necessary. If OES or MEL is exceeded. Gas mask filter ABEK (EN 14387), code colour brown, grey, yellow, green 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.

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 manufacturer.

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.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Paste, liquid.
Colour:	White
Odour:	Penetrating
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	n.a.
Initial boiling point and boiling range:	n.a.
Flash point:	Not determined
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	4 Vol-% (Acetic acid)
Upper explosive limit:	17 Vol-% (Acetic acid)
Vapour pressure:	Not determined
Vapour density (air $=$ 1):	Not determined
Density:	1,02 g/cm3 (20°C, ISO 1183)
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	~400 °C (DIN 51794, Ignition temperature)
Decomposition temperature:	Not determined
Viscosity:	>20,5 mm2/s (40°C)
Explosive properties:	Not determined
Oxidising properties:	Not determined
9.2 Other information	
Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

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. Moisture Strong heat $T > 150^{\circ}C$ 10.5 Incompatible materials See also section 7. Water



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Bases Alcohols **10.6 Hazardous decomposition products** See also section 5.2 In case of contact with water: Acetic acid

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification). Silicone Sanitary plus s-white 9003 310 ml

Toxicity / effect	Endpoi nt	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral	ш					n.d.a.
route:						in.u.u.
Acute toxicity, by						n.d.a.
dermal route:						inc
Acute toxicity, by						n.d.a.
inhalation:						
Skin corrosion/irritation:						n.d.a.
Serious eye						n.d.a.
damage/irritation:						
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						n.d.a.
toxicity - single						
exposure (STOT-SE):						
Specific target organ						n.d.a.
toxicity - repeated						
exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Triacetoxyethylsilane						
Toxicity / effect	Endpoi	Value	Unit	Organism	Test method	Notes
	nt					
Acute toxicity, by oral	LD50	1460	mg/kg	Rat		
route:						
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant,
					Dermal	Classificatio
					Irritation/Corrosio	n based on
					n)	toxicological
						analyses.<5
						%
Skin corrosion/irritation:				Rabbit		Corrosive



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Serious eye	Rabbit	OECD 405 (Acute	Not irritant,
damage/irritation:		Eye	Classificatio
		Irritation/Corrosio	n based on
		n)	toxicological
			analyses.<5
			%
Respiratory or skin	Guinea pig	OECD 406 (Skin	No (skin
sensitisation:		Sensitisation)	contact)
Symptoms:			mucous
			membrane
			irritation

SECTION 12: Ecological information

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

Silicone Sanitary p	olus s-white 90	03 310 n	nl		, , , , , , , , , , , , , , , , , , ,	,	
Art.: 9093992	1				1		1
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	>10-	mg/l	Oncorhynchus		Expert
fish:			<100		mykiss		judgement
							Analogous
							conclusion
12.1. Toxicity to	NOEC/NO		>1	mg/l	Oncorhynchus		Expert
fish:	EL				mykiss		judgement
							Analogous
							conclusionea
							rly life stage
							test
12.1. Toxicity to	NOEC/NO		>1	mg/l	Daphnia		Expert
daphnia:	EL				magna		judgement
							Analogous
							conclusionre
							production
12.1. Toxicity to	EC50	48h	>10-	mg/l	Daphnia		Expert
daphnia:			<100		magna		judgement
							Analogous
							conclusion
12.1. Toxicity to	ErC50	24h	>10-	mg/l	Navicula		Expert
algae:			<100		pelliculosa		judgement
							Analogous
10.1 55 1.1	NOTONO						conclusion
12.1. Toxicity to	NOEC/NO	24h	>1	mg/l	Navicula		Expert
algae:	EL				pelliculosa		judgement
							Analogous
							conclusiongr
10.0.0							owth rate
12.2. Persistence							n.d.a.
and degradability:							



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10.0	1		1		1
12.3.					n.d.a.
Bioaccumulative					
potential:					
12.4. Mobility in					n.d.a.
soil:					
12.5. Results of					n.d.a.
PBT and vPvB					
assessment					
12.6. Other					n.d.a.
adverse effects:					
Other information:	AOX	0,04	%		Contains
					organically
					bound
					halogens,
					which may
					contribute to
					the AOX
					value in
					wastewater.
Other information:					DOC-
					elimination
					degree(comp
					lexing
					organic
					substance)>=
					80%/28d:
					n.a.

Triacetoxyethylsila	ne						
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to	LC50	96h	251	mg/l	Brachydanio		
fish:					rerio		
12.1. Toxicity to	EC50	48h	62	mg/l	Daphnia		
daphnia:				_	magna		
12.1. Toxicity to	IC50	72h	73	mg/l	Scenedesmus		
algae:				_	subspicatus		
12.2. Persistence		21d	74	%		Regulation	
and degradability:						(EC)	
						440/2008 C.4-	
						A	
						(DETERMIN	
						ATION OF	
						'READY'	
						BIODEGRAD	
						ABILITY -	
						DOC DIE-	
						AWAY	
						TEST)	



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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 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09 Recommendation: Sewage disposal shall be discouraged. Pay attention to local and national official regulations. E.g. dispose at suitable refuse site. E.g. suitable incineration plant. For contaminated packing material Pay attention to local and national official regulations. Empty container completely.

Uncontaminated packaging can be recycled. Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements						
14.1. UN number:	n.a.					
Transport by road/by rail (ADR/RID)						
14.2. UN proper shipping name:						
14.3. Transport hazard class(es):	n.a.					
14.4. Packing group:	n.a.					
Classification code:	n.a.					
LQ:	n.a.					
14.5. Environmental hazards:	Not applicable					
Tunnel restriction code:						
Transport by sea (IMDG-code)						
14.2. UN proper shipping name:						
14.3. Transport hazard class(es):	n.a.					
14.4. Packing group:	n.a.					
Marine Pollutant:	n.a					
14.5. Environmental hazards:	Not applicable					
Transport by air (IATA)						
14.2. UN proper shipping name:						
14.3. Transport hazard class(es):	n.a.					
14.4. Packing group:	n.a.					
14.5. Environmental hazards:	Not applicable					
14.6. Special precautions for user						
Unless specified otherwise, general measures for safe transport must be followed.						
14.7. Transport in bulk according to Annex II of MA	RPOL and the IBC Code					

Non-dangerous material according to Transport Regulations.



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SECTION 15: Regulatory information

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

Observe restrictions: General hygiene measures for the handling of chemicals are applicable.

Directive 2010/75/EU (VOC):

Treated goods as per Regulation (EU) No. 528/2012 must display specific information on the label. Please note Article 58 paragraph (3) subparagraph 2 of Regulation (EU) No. 528/2012. Approval of the biocidal active substance may mean that special conditions are required for marketing the treated goods.

These are indicated in the approval of the active substance.

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

n.a.

< 1 %

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP): Not applicable

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). H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.

H518 Causes serious eye damage.

Acute Tox. — Acute toxicity - oral Skin Corr. — Skin corrosion Eye Dam. — Serious eye damage

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)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)



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BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) 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 dw dry weight e.g. for example (abbreviation of Latin 'exempli gratia'), for instance EC European Community ECHA European Chemicals Agency EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances **ELINCS** European List of Notified Chemical Substances EN European Norms United States Environmental Protection Agency (United States of America) EPA etc. et cetera EU European Union EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number general gen. GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential 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 including, inclusive incl. International Uniform Chemical Information Database IUCLID LO Limited Ouantities International Convention for the Prevention of Marine Pollution from Ships MARPOL not applicable n.a. not available n.av. not checked n.c. n.d.a. no data available OECD Organisation for Economic Co-operation and Development org. organic PBT persistent, bioaccumulative and toxic Polyethylene PE PNEC Predicted No Effect Concentration parts per million ppm PVC Polyvinylchloride REACH Registration, 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.



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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

Tel. Telephone

UN RTDG United Nations Recommendations on the Transport of Dangerous Goods

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

wwt wet weight

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.