

Syntor	Bio-Innenfarbe			
Version 3.0	Revision Date: 17.01.2023		DS Number: 08244	Date of last issue: 02.02.2022 Date of first issue: 15.08.2019
SECTION	I 1: Identification of	the	substance/mi	xture and of the company/undertaking
1.1 Produ	ct identifier			
Trade	name	:	Sylitol Bio-Inne	nfarbe
1.2 Releva	ant identified uses of t	the s	substance or mi	xture and uses advised against
Use of the Sub- stance/Mixture		:	Water-borne co	patings
Recommended restrictions on use		:	within adequate application - none	
1.3 Details	s of the supplier of the	e saf	ety data sheet	
Company		:	Caparol Farben Lacke GmbH Roßdörfer Straße 50 64372 Ober-Ramstadt	
Telep	hone	:	+496154710	
Telefa			+4961547170222	
E-mail address Responsi- ble/issuing person		:	msds@dr-rmi.com	
1.4 Emerg	ency telephone			
Emergency telephone 1		:	+49613284463	GBK GmbH

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Precautionary Statements		P101 If medical advice is needed, have product container or
	•	label at hand.
		P102 Keep out of reach of children.

Additional Labeling



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EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Silicate paint based on potassium silicate solution, aqueous

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 1 - < 10
Silicic acid, potassium salt	1312-76-1 215-199-1 01-2119456888-17	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 	>= 1 - < 10

For explanation of abbreviations see section 16.



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SECTION 4: First aid measures

4.1 Description of first-aid measures				
General advice :	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Move out of dangerous area. First aider needs to protect himself.			
If inhaled :	Move to fresh air.			
In case of skin contact :	Do NOT use solvents or thinners. In case of contact, immediately flush skin with soap and plenty of water.			
In case of eye contact :	If eye irritation persists: Get medical advice/ attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
If swallowed :	Seek medical advice. Clean mouth with water and drink afterwards plenty of water. If swallowed, DO NOT induce vomiting.			

4.2 Most important symptoms and effects, both acute and delayed None known.

4.3 Indication of any immediate medical attention and special treatment needed Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media					
Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or car- bon dioxide. Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Do not use a solid water stream as it may scatter and spread fire.			
Unsuitable extinguishing media	:	None known.			
5.2 Special hazards arising from the substance or mixture					
Specific hazards during fire fighting	:	In case of fire hazardous decomposition products may be produced such as:			



Sylitol Bio-Innenfarbe Version Revision Date: SDS Number: Date of last issue: 02.02.2022 3.0 17.01.2023 6008244 Date of first issue: 15.08.2019 Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if nec- essary.		
Further information	:	Standard procedure for chemical fires. The product itself does not burn.		

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use protective shoes or boots with rough rubber sole. Material can create slippery conditions. Do not get in eyes, on skin, or on clothing.
6.2 Environmental precautions		
Environmental precautions	:	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up		Keep in suitable, closed containers for disposal.
		Soak up with inert absorbent material (e.g. sand, silica gel,
		acid binder, universal binder, sawdust).

6.4 Reference to other sections

For further information see Section 7 of the safety data sheet. , For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling					
Advice on safe handling :	For personal protection see section 8. No special technical protective measures required.				
	In addition, the current technical information for this product and its application on www.caparol.com must be observed.				
Hygiene measures :	Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Remove contaminat- ed clothing and protective equipment before entering eating				



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				areas.			
7.2 C	Conditio	ons for safe storage,	inc	luding any incom	oatibilities		
Requirements for storage areas and containers		:	in heat or direct s original container	en. To maintain product quality, do not store unlight. Store at room temperature in the . Containers which are opened must be care- l kept upright to prevent leakage.			
Advice on common storage		:	Keep away from materials.	oxidizing agents and strongly acid or alkaline			
Storage class (TRGS 510) :		12					
	•	end use(s)					
Specific use(s)		:	This information is	s not available.			

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis			
titanium dioxide; [in powder form con- taining 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	AGW (Inhalable fraction)	10 mg/m3 (Titanium dioxide)	DE TRGS 900			
	Peak-limit category: 2;(II)						
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child						
		AGW (Alveolate 1,25 mg/m3 DE TR					
		fraction)	(Titanium dioxide)	900			
	Peak-limit category: 2;(II)						
	Further information: When there is compliance with the OEL and biological						
	tolerance valu	tolerance values, there is no risk of harming the unborn child					
		BM (Alveolar dust fraction)	0,5 mg/m3	DE TRGS 527			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of expo-	Potential health ef-	Value
		sure	fects	
titanium dioxide; [in powder form contain- ing 1 % or more of	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day



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na	articles with aerody- amic diameter ≤ 10 m]				
	•	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m3
	ilicic acid, potassium alt	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m3
		Consumers	Ingestion	Long-term systemic effects	0,74 mg/kg bw/day
		Consumers	Skin conta	act Long-term systemic effects	0,74 mg/kg bw/day
		Workers	Inhalation	Long-term systemic effects	5,61 mg/m3
		Workers	Skin conta	act Long-term systemic effects	1,49 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
titanium dioxide; [in powder form containing 1 % or more of parti- cles with aerodynamic diameter ≤ 10 µm]	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l
Silicic acid, potassium salt	Sea water	1 mg/l
	Intermittent use/release	7,5 mg/l
	Fresh water	7,5 mg/l
	Sewage treatment plant	348 mg/l

8.2 Exposure controls

Personal protective equipm	t	
Eye/face protection	Always wear eye protection when the potential for inad eye contact with the product cannot be excluded. not required	vertent
	DGUV Regulation 112-192 - Use of eye and face prote	ection
	Goggles	
Hand protection Material Glove thickness	Nitrile rubber 0,2 mm	



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Protective index		Class 3		
Remarks		Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374. DGUV Regulation 112-195 - Use of protective gloves		
Skin and body protection		Safety shoes Long sleeved clothing		
Respiratory protection		Choose body protection according to the amore centration of the dangerous substance at the		
		Skin should be washed after contact.		
		No personal respiratory protective equipmen quired.	t normally re-	
		DGUV Regulation 112-190 - Use of breathing	g equipment	
		When spraying, use face mask with particle f spray dust.	ilter P2 against	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	•	liquid
Color	:	No data available
Odor	:	No data available
Melting point/freezing point	:	ca. 0 °C
Boiling point/boiling range	:	ca. 100 °C
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	Not applicable
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable



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þ	ъH		:	11,4 Concentration: 1	00 %
Viscosity Viscosity, dynamic		:	No data availabl	e	
Solubility(ies) Water solubility		:	completely misc	ible	
Partition coefficient: n- octanol/water		:	not determined		
Vapor pressure		:	: ca. 23,4 hPa (20 °C)		
Density		:	: 1,5600 g/cm3		
F	Relative vapor density : r		not determined		
9.2 Ot	ther ir	nformation			
E	Explosives : Not applicable				
C	Oxidizi	ng properties	:	Not applicable	
F	-lamm	ability (liquids)	: The product is not flammable.		ot flammable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions					
Hazardous reactions	:	No decomposition if stored and applied as directed.			
10.4 Conditions to avoid					
10.4 Conditions to avoid					
Conditions to avoid	:	Protect from frost, heat and sunlight.			
10.5 Incompatible materials					
Materials to avoid	:	Incompatible with acids and bases.			

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

Incompatible with oxidizing agents.



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SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks	:	Information given is based on tests on products of similar composition. Based on OECD test 431 this product is not classified as skin corrosive/skin irritant.
Remarks	:	Based on OECD test 431 this product is not classified as skin corrosive/skin irritant. Information given is based on tests on products of similar composition.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

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11.2 Infor	11.2 Information on other hazards							
Endo	Endocrine disrupting properties							
Prod	uct:							
Assessment : The substance/mixture does not contain components co ered to have endocrine disrupting properties according t REACH Article 57(f) or Commission Delegated regulatio (EU) 2017/2100 or Commission Regulation (EU) 2018/6 levels of 0.1% or higher.								

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment	:	The substance/mixture does not contain components consid- ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at
		levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological infor-	:	An environmental hazard cannot be excluded in the event of
mation		unprofessional handling or disposal.

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SECTION 13:	Disposal considerations

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13.1 Waste treatment methods		
Product	:	
		Waste should not be disposed of via wastewater.
Contaminated packaging	:	Only completely emptied containers should be given for recy- cling.
Waste Code	:	used product 080112, waste paint and varnish other than those mentioned in 08 01 11*

SECTION 14: Transport information

14.1 UN number or ID number		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.2 UN proper shipping name		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.3 Transport hazard class(es)		
ADN	:	Not regulated as a dangerous good
ADR	:	Not regulated as a dangerous good
RID	:	Not regulated as a dangerous good
IMDG	:	Not regulated as a dangerous good
ΙΑΤΑ	:	Not regulated as a dangerous good
14.4 Packing group		
ADN	:	Not regulated as a dangerous good



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ADR		:	Not regulated as	a dangerous good	
RID		:	Not regulated as	a dangerous good	
IMDG		:	Not regulated as	a dangerous good	
ΙΑΤΑ	(Cargo)	:	Not regulated as	a dangerous good	
ΙΑΤΑ	(Passenger)	:	Not regulated as	a dangerous good	
14.5 Environmental hazards					
Not regulated as a dangerous good					
14.6 Special precautions for user					
Rema	rks	:	Not classified as o lations.	dangerous in the meaning of transport regu-	
14.7 Maritime transport in bulk according to IMO instruments Not applicable for product as supplied.					

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mix-ture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	 Conditions of restriction for the fol- lowing entries should be considered: formaldehyde (Number on list 72, 28)
REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59).	: This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be gener- ated.
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: None
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the	Not applicable





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control danger	of major-accident haz ous substances.	ards	involving	
Water ny)	hazard class (Germa-	:	0,	ater endangering ording to AwSV, Annex 1 (5.2)
	et code for laquers and / Giscode	:	M-SK01 1-K silica	ate paints
		:	BSW10 Coating r content	naterials, water-based, low preservative
Volatile	e organic compounds	:	Directive 2004/42 < 0.1 % < 1 g/l	/EC

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

Full text of H-Statements					
H315	:	Causes skin irritation.			
H319	:	Causes serious eye irritation.			
H335	:	May cause respiratory irritation.			
H351	:	Suspected of causing cancer if inhaled.			
Full text of other abbreviations					
Carc.	:	Carcinogenicity			
Eye Irrit.	:	Eye irritation			
Skin Irrit.	:	Skin irritation			
STOT SE	:	Specific target organ toxicity - single exposure			
DE TRGS 527	:	Germany. TRGS 527 - Activities with nanomaterials			
DE TRGS 900	:	Germany. TRGS 900 - Occupational exposure limit values.			
DE TRGS 527 / BM	:	Assessment scale			
DE TRGS 900 / AGW	:	Time Weighted Average			

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELX - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equiptory of Existing Chemical Substances in China; IMDG - International Mairtime Dangerous Goods; IMO - International Maritime Organization; IESC - Leventry of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)XAR - (Quartitative) Structure Activity Relationship; REACH - Regulation (Sco) No 1907/2006 of the European Parliament and of the Council concerning the Registration,



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stance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to compile the Material Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

DE / EN