



EU - Safety data sheets

SilaPoly - Colouring pastes

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according 1907/2006/EG, Article 31

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SilaPoly Colour white**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Creation date version 1: 08.05.2015
 Tradename: SilaPoly Colour white
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

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

No further relevant information available.
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
 Street / mailbox: Im Klei 26
 Country code. / postal code / city: DE - 38644 Goslar
 Phone: +49 (0) 53 21 / 37 79 - 0
 Fax: +49 (0) 53 21 / 38 96 32
 E-mail / Website: info@siladent.de / www.siladent.de
 Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008:



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment:**

PBT:

Not applicable.

vPvB:

Not applicable.




SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation:**

Mixtures

Description:

Pigment preparation

Dangerous components:

EC number: 701-299-7	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	25-50%
	 Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 77-99-6 EINECS: 201-074-9	propylidynetrimethanol	0.25-1%
	 Acute Tox. 3, H331;  Repr. 2, H361fd	

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

After inhalation:Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.**After skin contact:**

If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:Do not induce vomiting; call for medical help immediately.
If swallowed, rinse mouth with water (only if the person is conscious).**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

according 1907/2006/EG, Article 31

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For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture: Carbon monoxide (CO)
carbon dioxide

5.3 Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated firefighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: Accidental release measures

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- 6.1 Personal precautions, protective equipment and emergency procedures:** Wear protective clothing.
- 6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- 6.4 Reference to other sections:** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

-
- 7.1 Precautions for safe handling:** Take care by opening.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- 7.2 Conditions for safe storage, including any incompatibilities**
Storage:
Requirements to be met by storerooms and receptacles: Keep container tightly closed and dry and storage in a good ventilated room.
Storage temperature: 20 - 25 °C.
- Information about storage in one common storage facility:** Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.
- Further information about storage conditions:** Protect from humidity and water.
- Storage class:** 10
- 7.3 Denomination of Origin:** Made in Germany
- Processing information:** Homogenize content before use
- General remark:** For processing instructions see data sheet.

according 1907/2006/EG, Article 31

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SilaPoly Colour white**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	DNEL Long-term	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term	1.67 mg/kg bw/day (General population)
Inhalative	DNEL Long-term	4.7 mg/kg bw/day (workers)
		0.58 mg/m ³ (General population)
		3.3 mg/m ³ (workers)
77-99-6 propyldynetrimechanol		
Oral	DNEL Long-term - systemic effects	0.34 mg/kg bw/day (General population)
Dermal	DNEL Long-term - systemic effects	0.34 mg/kg bw/day (General population)
Inhalative	DNEL Long-term - systemic effects	0.94 mg/kg bw/day (workers)
		0.58 mg/m ³ (General population)
		3.3 mg/m ³ (workers)
PNECs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
PNEC STP	0.26 mg/L (sewage plant)	
PNEC aqua	25.8 ug/L (freshwater)	
	2.58 ug/L (marine water)	
	540 ug/L (intermittent releases)	
PNEC sediment	1,960 mg/kg (freshwater- sediment)	
	196 mg/kg (seawater - sediment)	
PNEC soil	391 mg/kg (soil (Boden))	

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls:**Appropriate engineering controls:**

No further data; see item 7.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

Respiratory protection:

In inadequately ventilated places and during spraying respirator necessary. Recommended to be fresh-air mask or filter combination for short-term work A2-P2

SilaPoly Colour white**Hand protection:**

Preventive skin protection (3-point program) required

Protective gloves (DIN EN 374):

In case of spray contact at least protection index 2 recommended, according to more than 30 min.

penetration time (EN 374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection

index 6 recommended, according to more than 480 min.

penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the

resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR
Nitrile rubber, NBR

Eye protection:

Tightly sealed goggles.

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Colour:

white

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/Freezing point

Undetermined.

Boiling point or initial boiling point and boiling range:

Undetermined.

Flammability:

Not applicable.

Lower and upper explosion limit

Lower:

Not determined.

Upper:

Not determined.

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Flash point:	140 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH:	Not determined.
Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic at 20 °C:	4000 mPas
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	2.1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:

Appearance:	
Form:	Viscous
Important information on protection of health and environment, and on safety.	
Ignition temperature:	450 °C
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC):	0.0 g/l
Change in condition:	
Evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void
Flammable gases:	Void
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water	
Oxidising liquids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.

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- 10.4 Conditions to avoid:** Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.
- 10.5 Incompatible materials:** Incompatible with oxidizers, acids.
- 10.6 Hazardous decomposition products:** if handled accordingly no products of decomposition.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:**

Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:		
13463-67-7 titanium dioxide		
Oral	NOAEL (90d)	3,500 mg/kg/d (rat)
Inhalative	NOAEC (90d)	10 mg/m ³ (rat)
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	LD50	>2,000 mg/kg (rat) (OECD 423 Acute oral toxicity)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC0 (4h)	5 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
	NOAEL (28d)	1,000 mg/kg bw/day (rat)
398475-96-2 Alkylammonium salt		
Oral	LD50	>5,000 mg/kg (rat)
77-99-6 propyldynetrimethanol		
Oral	LD50	14,700 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)

- Skin corrosion/irritation:** Irritation feasible.
- Serious eye damage/irritation:** Irritation feasible.
- Respiratory or skin sensitisation:** May cause an allergic skin reaction.
- Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- Carcinogenicity:** Based on available data, the classification criteria are not met.
- Reproductive toxicity:** Based on available data, the classification criteria are not met.
- STOT-single exposure:** Based on available data, the classification criteria are not met.
- STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- Aspiration hazard:** Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties:**

None of the ingredients is listed.

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SilaPoly Colour white**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****13463-67-7 titanium dioxide**

EC 50	>100 mg/L (Pseudokirchnerella Subcapitata) (OECD 201 Alga, Growth Inhibition Test)
LC50	>10,000 mg/L (Skeletonema costatum)
	>10,000 mg/L (Cyprinodon variegatus) (OECD 203 Fish, Acute Toxicity Test)
	>1,000 mg/l (Elritze (Pimephales promelas))
	>1,000 mg/l (Daphnia Magna)

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

EC50 (48 h)	54 mg/l (D)
EL50 (72h)	>100 mg/l (A) (OECD 201 Alga, Growth Inhibition Test)
LL50(96h)	25.8 mg/l (F)

398475-96-2 Alkylammonium salt

LC50 (96 h)	8 mg/l (F) (OECD 203 Fish, Acute Toxicity Test)
EC50 (72 h)	0.47 mg/l (Pseudokirchnerella Subcapitata)

77-99-6 propyldynetrimehanol

LC50 (96 h)	1,000 mg/l (F)
EC50 (48 h)	13,000 mg/l (Daphnia Magna) (OECD 202 Daphnia sp. Acute Immobilisation Test)
EC50 (3h)	>1,000 mg/l (activated sludge)
NOEC / 21d	>1,000 mg/l (Daphnia Magna)
ErC50/72h	>1,000 mg/l (A)

12.2 Persistence and degradability:

No further relevant information available.

Other information:

Elimination by adsorption onto activated sludge.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Remark:**

Harmful to fish.

Additional ecological information**General notes:**

Harmful to aquatic organisms
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation:**

Must not be disposed together with household garbage.
 Do not allow product to reach sewage

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system.

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate waste code according to the European Waste Catalogue (EWC) should be used.

European waste catalogue:

08 00 00 wastes from MFSU of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks

Uncleaned packaging:**Recommendation:**

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number	
ADR, ADN, IMDG, IATA:	Void.
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA:	Void.
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA:	
Class:	Void.
14.4 Packing group	
ADR, IMDG, IATA:	Void.
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Labelling according to Regulation (EC) No 1272/2008:	The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

according 1907/2006/EG, Article 31

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SilaPoly Colour white**Precautionary statements:**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU**Named dangerous substances - ANNEX I:** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII:** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:** None of the ingredients is listed.**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):** None of the ingredients is listed.**Annex II - REPORTABLE EXPLOSIVES PRECURSORS:** None of the ingredients is listed.**Regulation (EC) No 273/2004 on drug precursors:** None of the ingredients is listed.**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:** None of the ingredients is listed.**National regulations:****Water hazard class:** Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H412	Harmful to aquatic life with long lasting effects.

Recommended restriction of use:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this

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safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Abbreviations and acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO:	International Civil Aviation Organisation
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Acute Tox. 3:	Acute toxicity – Category 3
Skin Sens. 1:	Skin sensitisation – Category 1
Skin Sens. 1A:	Skin sensitisation – Category 1A
Repr. 2:	Reproductive toxicity – Category 2
Aquatic Chronic 3:	Hazardous to the aquatic environment - Chronic Hazard, Category 3

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SilaPoly Colour blue**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Creation date version 1: 08.11.2006
 Tradename: SilaPoly Colour blue
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

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

No further relevant information available.
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
 Street / mailbox: Im Klei 26
 Country code. / postal code / city: DE - 38644 Goslar
 Phone: +49 (0) 53 21 / 37 79 - 0
 Fax: +49 (0) 53 21 / 38 96 32
 E-mail / Website: info@siladent.de / www.siladent.de
 Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008:



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment:**

PBT:

Not applicable.

vPvB:


Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation:**

Mixtures

Description:

Pigment preparation

Dangerous components:		
EC number: 701-299-7	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	75-100%
	 Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 68037-36-5 EINECS: 268-211-2	Copper, [29H, 31H-phthalocyaninato (2-)-N29,N30,N31,N32]-, sulfonated	0.25-1%
	Aquatic Chronic 3, H412	

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

After inhalation:Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.**After skin contact:**Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.**After eye contact:**Rinse opened eye for several minutes under running water. Then consult a doctor.
Seek medical advice**After swallowing:**If swallowed, rinse mouth with water (only if the person is conscious).
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

according 1907/2006/EG, Article 31

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SilaPoly Colour blue**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:**

Water with full jet.

5.2 Special hazards arising from the substance or mixture:Carbon monoxide (CO)
carbon dioxide**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Additional information:Collect contaminated firefighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated firefighting water in accordance with official regulations.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective clothing.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.**6.4 Reference to other sections:**See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.**SECTION 7: Handling and storage****7.1 Precautions for safe handling:**Take care by opening.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.**Information about protection against explosions and fires:**Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**Keep container tightly closed and dry and storage in a good ventilated room.
Storage temperature: 20 - 25 °C.**Information about storage in one common storage facility:**Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.**Further information about storage conditions:**

None.

Storage class:

10

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- 7.3 Denomination of Origin:** Made in Germany
- Processing information:** Homogenize content before use
- General remark:** For processing instructions see data sheet.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	DNEL Long-term	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term	1.67 mg/kg bw/day (General population)
Inhalative	DNEL Long-term	4.7 mg/kg bw/day (workers)
		0.58 mg/m³ (General population)
		3.3 mg/m³ (workers)
PNECs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
PNEC STP	0.26 mg/L (sewage plant)	
PNEC aqua	25.8 ug/L (freshwater)	
	2.58 ug/L (marine water)	
	540 ug/L (intermittent releases)	
PNEC sediment	1,960 mg/kg (freshwater- sediment)	
	196 mg/kg (seawater - sediment)	
PNEC soil	391 mg/kg (soil (Boden))	

- Additional information:** The lists valid during the making were used as basis.
- 8.2 Exposure controls:**
- Appropriate engineering controls:** No further data; see item 7.

Individual protection measures, such as personal protective equipment

- General protective and hygienic measures:** Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

SilaPoly Colour blue**Respiratory protection:**

In inadequately ventilated places and during spraying respirator necessary. Recommended to be fresh-air mask or filter combination for short-term work A2-P2
Not necessary if room is well-ventilated.

Hand protection:

Preventive skin protection (3-point program) required



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

Suitable materials for protective gloves, EN 374-3:
Polychloroprene - CR: thickness >= 0.5 mm, breakthrough time >= 480 min.
NBR - NBR: thickness >= 0,35 mm, Breakthrough time >= 480 min.
Butyl rubber - IIR: thickness >= 0.5 mm, breakthrough time >= 480 min.
Fluorine rubber - FKM: thickness >= 0.4 mm; breakthrough time >= 480 min.
Recommendation: Dispose of contaminated gloves.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles.

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Colour:

blue

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/Freezing point

Undetermined.

Boiling point or initial boiling point and boiling range:

Undetermined.

Flammability:

Not applicable.

according 1907/2006/EG, Article 31

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SilaPoly Colour blue**Lower and upper explosion limit**

Lower:	Not determined.
Upper:	Not determined.
Flash point:	140 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH:	Not determined.
Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic at 20 °C:	4000 mPas
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	1 hPa
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:

Appearance:	
Form:	Viscous
Important information on protection of health and environment, and on safety.	
Ignition temperature:	450 °C
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC):	0.0 g/l
Change in condition:	
Evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void
Flammable gases:	Void
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water	
Oxidising liquids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:	No further relevant information available.
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10.2 Chemical stability

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SilaPoly Colour blue**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.

10.5 Incompatible materials:

Incompatible with oxidizing agents, acids water , alcohol , amine , base and acid

10.6 Hazardous decomposition products:

If handled accordingly no products of decomposition.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:**

Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	LD50	>2,000 mg/kg (rat) (OECD 423 Acute oral toxicity)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC0 (4h)	5 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
	NOAEL (28d)	1,000 mg/kg bw/day (rat)
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
398475-96-2 Alkylammonium salt		
Oral	LD50	>5,000 mg/kg (rat)

Skin corrosion/irritation:

Irritation feasible.

Serious eye damage/irritation:

Irritation feasible.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

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SilaPoly Colour blue**11.2 Information on other hazards****Endocrine disrupting properties:** None of the ingredients is listed.**SECTION 12: Ecological information****12.1 Toxicity**

Aquatic toxicity:	
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	
EC50 (48 h)	54 mg/l (D)
EL50 (72h)	>100 mg/l (A) (OECD 201 Alga, Growth Inhibition Test)
LL50(96h)	25.8 mg/l (F)
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated	
LC50 (96 h)	>180 mg/l (Oncorhynchus mykiss)
EC50 (48 h)	21.4 mg/l (Daphnia Magna)
EC50 (72 h)	>100 mg/l (A)
NOEC (96h)	4 mg/l (Elritze (Pimephales promelas))
398475-96-2 Alkylammonium salt	
LC50 (96 h)	8 mg/l (F) (OECD 203 Fish, Acute Toxicity Test)
EC50 (72 h)	0.47 mg/l (Pseudokirchnerella Subcapitata)

12.2 Persistence and degradability:

No further relevant information available.

Other information:

Elimination by adsorption onto activated sludge.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Remark:**

Harmful to fish.

Additional ecological information**General notes:**

Harmful to aquatic organisms
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation:**

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate waste code according to the European Waste Catalogue (EWC) should be used.
 No disposal via the sewage

European waste catalogue:

08 00 00 wastes from MFSU of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks

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Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number ADR, ADN, IMDG, IATA:	Void.
14.2 UN proper shipping name ADR, ADN, IMDG, IATA:	Void.
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA: Class:	Void.
14.4 Packing group ADR, IMDG, IATA:	Void.
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008:	The product is classified and labelled according to the CLP regulation.
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Hazard pictograms:

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU**Named dangerous substances - ANNEX I:** None of the ingredients is listed.

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SilaPoly Colour blue**REGULATION (EC) No 1907/2006 ANNEX XVII:**

Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS:

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

National regulations:**Water hazard class:**

Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Recommended restriction of use:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Abbreviations and acronyms:

RID:

Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO:

International Civil Aviation Organisation

ADR:

Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG:

International Maritime Code for Dangerous Goods

IATA:

International Air Transport Association

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GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Skin Sens. 1:	Skin sensitisation – Category 1
Skin Sens. 1A:	Skin sensitisation – Category 1A
Aquatic Chronic 3:	Hazardous to the aquatic environment - Chronic Hazard, Category 3

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SilaPoly Colour yellow**SECTION 1: Identification of the substance/mixture and of the company/undertaking** ***1.1 Product identifier**

Creation date version 1: 08.11.2006
 Tradename: SilaPoly Colour yellow
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

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

No further relevant information available.
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
 Street / mailbox: Im Klei 26
 Country code. / postal code / city: DE - 38644 Goslar
 Phone: +49 (0) 53 21 / 37 79 - 0
 Fax: +49 (0) 53 21 / 38 96 32
 E-mail / Website: info@siladent.de / www.siladent.de
 Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008:**

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment:**

PBT:

Not applicable.

vPvB:


Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation:**

Mixtures

Description:

Pigment preparation

Dangerous components:		
EC number: 701-299-7	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	75-100%
	 Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 68037-36-5 EINECS: 268-211-2	Copper, [29H, 31H-phthalocyaninato (2-)-N29,N30,N31,N32]-, sulfonated	0.25-1%
	Aquatic Chronic 3, H412	

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

After inhalation:Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:Do not induce vomiting; call for medical help immediately.
If swallowed, rinse mouth with water (only if the person is conscious).**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:**

Water with full jet.

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- 5.2 Special hazards arising from the substance or mixture:** In case of fire, the following can be released:
Carbon monoxide (CO)
carbon dioxide
Nitrogen oxides (NO_x)
- 5.3 Advice for firefighters**
- Protective equipment:** Wear self-contained respiratory protective device.
- Additional information:** Collect contaminated firefighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Protective equipment (see section 8).
Provide sufficient ventilation. Keep bystanders away.
- 6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- 6.4 Reference to other sections:** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** Take care by opening.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage:**
- Requirements to be met by storerooms and receptacles:** Keep container tightly closed and dry and storage in a good ventilated room.
Storage temperature: 20 - 25 °C.
- Information about storage in one common storage facility:** Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.
- Further information about storage conditions:** None.
- Storage class:** 10
- 7.3 Denomination of Origin:** Made in Germany
- Processing information:** Homogenize content before use
- General remark:** For processing instructions see data sheet.

according 1907/2006/EG, Article 31

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SilaPoly Colour yellow**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	DNEL Long-term	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term	1.67 mg/kg bw/day (General population)
Inhalative	DNEL Long-term	4.7 mg/kg bw/day (workers)
		0.58 mg/m³ (General population)
		3.3 mg/m³ (workers)
6358-31-2 Pigment yellow 74		
Oral	DNEL Long-term - systemic effects	25 mg/kg bw/day (General population)
Dermal	DNEL Long-term - systemic effects	25 mg/kg bw/day (General population)
		42 mg/kg bw/day (workers)
Inhalative	DNEL Long-term - systemic effects	49 mg/m³ (workers)
	DNEL local effect - long term	3 mg/m³ (workers)
PNECs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
PNEC STP	0.26 mg/L (sewage plant)	
PNEC aqua	25.8 ug/L (freshwater)	
	2.58 ug/L (marine water)	
PNEC sediment	540 ug/L (intermittent releases)	
	1,960 mg/kg (freshwater- sediment)	
PNEC soil	196 mg/kg (seawater - sediment)	
	391 mg/kg (soil (Boden))	
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated		
PNEC STP	10 mg/L (sewage plant)	
PNEC aqua	21.4 ug/L (freshwater)	
	2.14 ug/L (marine water)	
PNEC sediment	214 ug/L (intermittent releases)	
	0.103 mg/kg (freshwater- sediment)	
PNEC soil	0.01 mg/kg (seawater - sediment)	
	0.008 mg/kg (soil (Boden))	

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls:**Appropriate engineering controls:**

No further data; see item 7.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

SilaPoly Colour yellow**Respiratory protection:**

In inadequately ventilated places and during spraying respirator necessary. Recommended to be fresh-air mask or filter combination for short-term work A2-P2
Not necessary if room is well-ventilated.

Hand protection:

Preventive skin protection (3-point program) required



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

Suitable materials for protective gloves, EN 374-3:
Polychloroprene - CR: thickness >= 0.5 mm, breakthrough time >= 480 min.
NBR - NBR: thickness >= 0,35 mm, Breakthrough time >= 480 min.
Butyl rubber - IIR: thickness >= 0.5 mm, breakthrough time >= 480 min.
Fluorine rubber - FKM: thickness >= 0.4 mm; breakthrough time >= 480 min.
Recommendation: Dispose of contaminated gloves ..
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles.

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Colour:

yellow

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/Freezing point

Undetermined.

Boiling point or initial boiling point and boiling range:

Undetermined.

Flammability:

Not applicable.

according 1907/2006/EG, Article 31

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SilaPoly Colour yellow**Lower and upper explosion limit**

Lower:	Not determined.
Upper:	Not determined.
Flash point:	140 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	> 250 °C
pH:	Not determined.
Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic at 20 °C:	3000 mPas
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:

Appearance:	
Form:	Viscous
Important information on protection of health and environment, and on safety.	
Ignition temperature:	450 °C
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC):	0.0 g/l
Change in condition:	
Evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void
Flammable gases:	Void
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water	
Oxidising liquids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:	No further relevant information available.
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10.2 Chemical stability

according 1907/2006/EG, Article 31

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SilaPoly Colour yellow**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.

10.5 Incompatible materials:

Incompatible with oxidizing agents, acids water , alcohol , amine , base and acid

10.6 Hazardous decomposition products:

If handled accordingly no products of decomposition.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:**

Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	LD50	>2,000 mg/kg (rat) (OECD 423 Acute oral toxicity)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC0 (4h)	5 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
	NOAEL (28d)	1,000 mg/kg bw/day (rat)
6358-31-2 Pigment yellow 74		
Oral	LD50	>2,000 mg/kg (rat)
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
398475-96-2 Alkylammonium salt		
Oral	LD50	>5,000 mg/kg (rat)

Skin corrosion/irritation:

Irritation feasible.

Serious eye damage/irritation:

Irritation feasible.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

according 1907/2006/EG, Article 31

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SilaPoly Colour yellow**Aspiration hazard:**

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties:**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity:	
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	
EC50 (48 h)	54 mg/l (D)
EL50 (72h)	>100 mg/l (A) (OECD 201 Alga, Growth Inhibition Test)
LL50(96h)	25.8 mg/l (F)
6358-31-2 Pigment yellow 74	
EC50 (72 h)	>2 mg/l (Algae)
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated	
LC50 (96 h)	>180 mg/l (Oncorhynchus mykiss)
EC50 (48 h)	21.4 mg/l (Daphnia Magna)
EC50 (72 h)	>100 mg/l (A)
NOEC (96h)	4 mg/l (Elritze (Pimephales promelas))
398475-96-2 Alkylammonium salt	
LC50 (96 h)	8 mg/l (F) (OECD 203 Fish, Acute Toxicity Test)
EC50 (72 h)	>1 mg/l (Pseudokirchnerella Subcapitata)

12.2 Persistence and degradability:

No further relevant information available.

Other information:

Elimination by adsorption onto activated sludge.

12.3 Bioaccumulative potential:

No further relevant information available.

12.4 Mobility in soil:

No further relevant information available.

12.5 Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties:

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Remark:**

Harmful to fish.

Additional ecological information**General notes:**

Harmful to aquatic organisms
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Recommendation:**

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate waste code according to the European

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Waste Catalogue (EWC) should be used.
No disposal via the sewage

European waste catalogue:

08 00 00 wastes from MFSU of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks


Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number ADR, ADN, IMDG, IATA:	Void.
14.2 UN proper shipping name ADR, ADN, IMDG, IATA:	Void.
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA: Class:	Void.
14.4 Packing group ADR, IMDG, IATA:	Void.
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008:	The product is classified and labelled according to the CLP regulation.
Hazard pictograms:	 GHS07
Signal word:	Warning
Hazard-determining components of labelling:	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised
Hazard statements:	
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
Precautionary statements:	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU**Named dangerous substances - ANNEX I:** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII:** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:** None of the ingredients is listed.**REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):** None of the ingredients is listed.**Annex II - REPORTABLE EXPLOSIVES PRECURSORS:** None of the ingredients is listed.**Regulation (EC) No 273/2004 on drug precursors:** None of the ingredients is listed.**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:** None of the ingredients is listed.**National regulations:****Water hazard class:** Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Recommended restriction of use:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Abbreviations and acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO:	International Civil Aviation Organisation
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Skin Sens. 1:	Skin sensitisation – Category 1
Skin Sens. 1A:	Skin sensitisation – Category 1A
Aquatic Chronic 3:	Hazardous to the aquatic environment - Chronic Hazard, Category 3

* Data compared to the previous version altered.

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SilaPoly Colour green**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Creation date version 1: 08.05.2015
Tradename: SilaPoly Colour green
Utilization of the substance of the formulation: Colorants for polyurethane resin applications

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

No further relevant information available.
Utilization of the substance of the formulation: Colorants for polyurethane resin applications

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
Street / mailbox: Im Klei 26
Country code. / postal code / city: DE - 38644 Goslar
Phone: +49 (0) 53 21 / 37 79 - 0
Fax: +49 (0) 53 21 / 38 96 32
E-mail / Website: info@siladent.de / www.siladent.de
Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008:**

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see on this label).
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

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P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment:**

PBT:

Not applicable.

vPvB:


Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation:**

Mixtures

Description:

Pigment preparation

Dangerous components:		
EC number: 701-299-7	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	75-100%
	 Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 68037-36-5 EINECS: 268-211-2	Copper, [29H, 31H-phthalocyaninato (2-)-N29,N30,N31,N32]-, sulfonated	≥1-<2.5%
	Aquatic Chronic 3, H412	

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

After inhalation:Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:If swallowed, rinse mouth with water (only if the person is conscious).
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.**4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

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

No further relevant information available.

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SilaPoly Colour green**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:**

Water with full jet.

5.2 Special hazards arising from the substance or mixture:Carbon monoxide (CO)
carbon dioxide**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Additional information:Collect contaminated firefighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated firefighting water in accordance with official regulations.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective clothing.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.**6.4 Reference to other sections:**See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.**SECTION 7: Handling and storage****7.1 Precautions for safe handling:**Take care by opening.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.**Information about protection against explosions and fires:**Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.**7.2 Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:**Keep container tightly closed and dry and storage in a good ventilated room.
Storage temperature: 20 - 25 °C.**Information about storage in one common storage facility:**Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.**Further information about storage conditions:**

None.

Storage class:

10

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- 7.3 Denomination of Origin:** Made in Germany
- Processing information:** Homogenize content before use
- General remark:** For processing instructions see data sheet.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	DNEL Long-term	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term	1.67 mg/kg bw/day (General population)
Inhalative	DNEL Long-term	4.7 mg/kg bw/day (workers)
		0.58 mg/m³ (General population)
		3.3 mg/m³ (workers)
PNECs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
PNEC STP	0.26 mg/L (sewage plant)	
PNEC aqua	25.8 ug/L (freshwater)	
	2.58 ug/L (marine water)	
	540 ug/L (intermittent releases)	
PNEC sediment	1,960 mg/kg (freshwater- sediment)	
	196 mg/kg (seawater - sediment)	
PNEC soil	391 mg/kg (soil (Boden))	
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated		
PNEC STP	10 mg/L (sewage plant)	
PNEC aqua	21.4 ug/L (freshwater)	
	2.14 ug/L (marine water)	
	214 ug/L (intermittent releases)	
PNEC sediment	0.103 mg/kg (freshwater- sediment)	
	0.01 mg/kg (seawater - sediment)	
PNEC soil	0.008 mg/kg (soil (Boden))	

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls:****Appropriate engineering controls:** No further data; see item 7.**Individual protection measures, such as personal protective equipment**

General protective and hygienic measures: Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

Respiratory protection: In inadequately ventilated places and during spraying respirator necessary. Recommended to be fresh-air mask or filter combination for short-term work A2-P2
Not necessary if room is well-ventilated.

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SilaPoly Colour green**Hand protection:**

Preventive skin protection (3-point program) required

Protective gloves (DIN EN 374):

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed..

Eye protection:

Tightly sealed goggles.

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information****Colour:**

green

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/Freezing point

Undetermined.

Boiling point or initial boiling point and boiling range:

Undetermined.

Flammability:

Not applicable.

Lower and upper explosion limit**Lower:**

Not determined.

Upper:

Not determined.

Flash point:

140 °C

Auto-ignition temperature:

Product is not selfigniting.

Decomposition temperature:

Not determined.

pH:

Not determined.

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Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic at 20 °C:	3000 mPas
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:

Appearance:	
Form:	Viscous
Important information on protection of health and environment, and on safety.	
Ignition temperature:	450 °C
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC):	0.0 g/l
Change in condition:	
Evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void
Flammable gases:	Void
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water	
Oxidising liquids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.

according 1907/2006/EG, Article 31

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SilaPoly Colour green**10.4 Conditions to avoid:**

Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.

10.5 Incompatible materials:

Incompatible with oxidizing agents, acids water , alcohol , amine , base and acid

10.6 Hazardous decomposition products:

If handled accordingly no products of decomposition.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:**

Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	LD50	>2,000 mg/kg (rat) (OECD 423 Acute oral toxicity)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC0 (4h)	5 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
	NOAEL (28d)	1,000 mg/kg bw/day (rat)
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
398475-96-2 Alkylammonium salt		
Oral	LD50	>5,000 mg/kg (rat)

Skin corrosion/irritation:

Irritation feasible.

Serious eye damage/irritation:

Irritation feasible.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties:**

None of the ingredients is listed.

according 1907/2006/EG, Article 31

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SilaPoly Colour green**SECTION 12: Ecological information****12.1 Toxicity**

Aquatic toxicity:	
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	
EC50 (48 h)	54 mg/l (D)
EL50 (72h)	>100 mg/l (A) (OECD 201 Alga, Growth Inhibition Test)
LL50(96h)	25.8 mg/l (F)
68037-36-5 Copper, [29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32]-, sulfonated	
LC50 (96 h)	>180 mg/l (Oncorhynchus mykiss)
EC50 (48 h)	21.4 mg/l (Daphnia Magna)
EC50 (72 h)	>100 mg/l (A)
NOEC (96h)	4 mg/l (Elritze (Pimephales promelas))
398475-96-2 Alkylammonium salt	
LC50 (96 h)	8 mg/l (F) (OECD 203 Fish, Acute Toxicity Test)
EC50 (72 h)	>1 mg/l (Pseudokirchnerella Subcapitata)

12.2 Persistence and degradability: No further relevant information available.**Other information:** Elimination by adsorption onto activated sludge.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties:** The product does not contain substances with endocrine disrupting properties.**12.7 Other adverse effects****Remark:** Harmful to fish.**Additional ecological information**

General notes:

Harmful to aquatic organisms
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Recommendation:

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate waste code according to the European Waste Catalogue (EWC) should be used.
 No disposal via the sewage

European waste catalogue:

08 00 00 wastes from MFSU of coatings (paints, varnishes, enamels), adhesives, sealants and printing inks

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**Uncleaned packaging:
Recommendation:**

Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number ADR, ADN, IMDG, IATA:	Void.
14.2 UN proper shipping name ADR, ADN, IMDG, IATA:	Void.
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA: Class:	Void.
14.4 Packing group ADR, IMDG, IATA:	Void.
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008:	The product is classified and labelled according to the CLP regulation.
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Hazard pictograms:

GHS07

Signal word:

Warning

**Hazard-determining components of
labelling:**

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU**Named dangerous substances - ANNEX I:** None of the ingredients is listed.

according 1907/2006/EG, Article 31

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SilaPoly Colour green**REGULATION (EC) No 1907/2006 ANNEX XVII:**

Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS:

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

National regulations:**Water hazard class:**

Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Recommended restriction of use:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Abbreviations and acronyms:

RID:

Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO:

International Civil Aviation Organisation

ADR:

Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

according 1907/2006/EG, Article 31

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IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Skin Sens. 1:	Skin sensitisation – Category 1
Skin Sens. 1A:	Skin sensitisation – Category 1A
Aquatic Chronic 3:	Hazardous to the aquatic environment - Chronic Hazard, Category 3

according 1907/2006/EG, Article 31

Date of revision: 20.12.2021 Version number 16 (replaces version 15)

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Printing date: 12.12.2022

SilaPoly Colour red**SECTION 1: Identification of the substance/mixture and of the company/undertaking** ***1.1 Product identifier**

Creation date version 1: 08.11.2006
 Tradename: SilaPoly Colour red
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

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

No further relevant information available.
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
 Street / mailbox: Im Klei 26
 Country code. / postal code / city: DE - 38644 Goslar
 Phone: +49 (0) 53 21 / 37 79 - 0
 Fax: +49 (0) 53 21 / 38 96 32
 E-mail / Website: info@siladent.de / www.siladent.de
 Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008:



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.

according 1907/2006/EG, Article 31

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P321 Specific treatment (see on this label).
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment:**

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation:** Mixtures**Description:** Pigment preparation

Dangerous components:		
EC number: 701-299-7	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	50-75%
	 Skin Sens. 1, H317; Aquatic Chronic 3, H412	

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

If skin irritation continues, consult a doctor.
 Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

If swallowed, rinse mouth with water (only if the person is conscious).
 A person vomiting while laying on their back should be turned onto their side.
 Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

according 1907/2006/EG, Article 31

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For safety reasons unsuitable extinguishing agents:	Water with full jet.
5.2 Special hazards arising from the substance or mixture:	In case of fire, the following can be released: Carbon monoxide (CO) carbon dioxide Nitrogen oxides (NOx)
5.3 Advice for firefighters Protective equipment:	Wear self-contained respiratory protective device.
Additional information:	Collect contaminated firefighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Wear protective clothing.
6.2 Environmental precautions:	Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Dispose contaminated material as waste according to item 13.
6.4 Reference to other sections:	See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:	Take care by opening. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
Information about protection against explosions and fires:	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
7.2 Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles:	Keep container tightly closed and dry and storage in a good ventilated room. Storage temperature: 20 - 25 °C.
Information about storage in one common storage facility:	Store away from oxidising agents. Do not store together with reducing agents, heavy-metal compounds, acids and alkalis. Store away from foodstuffs.
Further information about storage conditions:	None.
Storage class:	10
7.3 Denomination of Origin:	Made in Germany
Processing information:	Homogenize content before use

according 1907/2006/EG, Article 31

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SilaPoly Colour red**General remark:**

For processing instructions see data sheet.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	DNEL Long-term	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term	1.67 mg/kg bw/day (General population)
Inhalative	DNEL Long-term	4.7 mg/kg bw/day (workers)
		0.58 mg/m ³ (General population)
		3.3 mg/m ³ (workers)
PNECs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
PNEC STP	0.26 mg/L (sewage plant)	
PNEC aqua	25.8 ug/L (freshwater)	
	2.58 ug/L (marine water)	
	540 ug/L (intermittent releases)	
PNEC sediment	1,960 mg/kg (freshwater- sediment)	
	196 mg/kg (seawater - sediment)	
PNEC soil	391 mg/kg (soil (Boden))	

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls:**Appropriate engineering controls:**

No further data; see item 7.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

Respiratory protection:

In inadequately ventilated places and during spraying respirator necessary. Recommended to be fresh-air mask or filter combination for short-term work A2-P2
Not necessary if room is well-ventilated.

Hand protection:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation


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Material of gloves:	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material:	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed..
For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:	Butyl rubber, BR Nitrile rubber, NBR
Eye protection:	 Tightly sealed goggles.
Body protection:	Protective work clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Colour:	red
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/Freezing point	Undetermined.
Boiling point or initial boiling point and boiling range:	Undetermined.
Flammability:	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	140 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH:	Not determined.
Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic at 20 °C:	3000 mPas
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information:

Appearance:	
Form:	Viscous

according 1907/2006/EG, Article 31

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SilaPoly Colour red**Important information on protection of health and environment, and on safety.**

Ignition temperature:	450 °C
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Organic solvents:	0.0 %
VOC (EC):	0.0 g/l
Change in condition:	
Evaporation rate:	Not determined.
Information with regard to physical hazard classes	
Explosives:	Void
Flammable gases:	Void
Aerosols:	Void
Oxidising gases:	Void
Gases under pressure:	Void
Flammable liquids:	Void
Flammable solids:	Void
Self-reactive substances and mixtures:	Void
Pyrophoric liquids:	Void
Pyrophoric solids:	Void
Self-heating substances and mixtures:	Void
Substances and mixtures, which emit flammable gases in contact with water	
Oxidising liquids:	Void
Organic peroxides:	Void
Corrosive to metals:	Void
Desensitised explosives:	Void

SECTION 10: Stability and reactivity

10.1 Reactivity:	No further relevant information available.
10.2 Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.
10.5 Incompatible materials:	Incompatible with oxidizing agents, acids water , alcohol , amine , base and acid
10.6 Hazardous decomposition products:	If handled accordingly no products of decomposition.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute toxicity:	Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:**Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised**

Oral	LD50	>2,000 mg/kg (rat) (OECD 423 Acute oral toxicity)
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according 1907/2006/EG, Article 31

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Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC0 (4h)	5 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
	NOAEL (28d)	1,000 mg/kg bw/day (rat)
398475-96-2 Alkylammonium salt		
Oral	LD50	>5,000 mg/kg (rat)

Skin corrosion/irritation:	Irritation feasible.
Serious eye damage/irritation:	Irritation feasible.
Respiratory or skin sensitisation:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties:	None of the ingredients is listed.
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SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity:	
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	
EC50 (48 h)	54 mg/l (D)
EL50 (72h)	>100 mg/l (A) (OECD 201 Alga, Growth Inhibition Test)
LL50(96h)	25.8 mg/l (F)
398475-96-2 Alkylammonium salt	
LC50 (96 h)	8 mg/l (F) (OECD 203 Fish, Acute Toxicity Test)
EC50 (72 h)	>1 mg/l (Pseudokirchnerella Subcapitata)

12.2 Persistence and degradability:	No further relevant information available.
Other information:	Elimination by adsorption onto activated sludge.
12.3 Bioaccumulative potential:	No further relevant information available.
12.4 Mobility in soil:	No further relevant information available.
12.5 Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.

according 1907/2006/EG, Article 31

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- 12.6 Endocrine disrupting properties:** The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects**
- Remark:** Harmful to fish.
- Additional ecological information**
- General notes:** Harmful to aquatic organisms
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods**
- Recommendation:** Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate waste code according to the European Waste Catalogue (EWC) should be used.
No disposal via the sewage
- Uncleaned packaging:**
- Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN number**
ADR, ADN, IMDG, IATA: Void.
- 14.2 UN proper shipping name**
ADR, ADN, IMDG, IATA: Void.
- 14.3 Transport hazard class(es)**
ADR, ADN, IMDG, IATA:
- Class:** Void.
- 14.4 Packing group**
ADR, IMDG, IATA: Void.
- 14.5 Environmental hazards:** Not applicable.
- 14.6 Special precautions for user:** Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Not applicable.
- UN "Model Regulation":** Void.

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Labelling according to Regulation (EC) No 1272/2008:** The product is classified and labelled according to the CLP regulation.

according 1907/2006/EG, Article 31

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SilaPoly Colour red**Hazard pictograms:**

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P321

Specific treatment (see on this label).

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU**Named dangerous substances - ANNEX I:** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII:**

Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS:

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

National regulations:**Water hazard class:**

Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Recommended restriction of use:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

* Data compared to the previous version altered.

according 1907/2006/EG, Article 31

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SilaPoly Colour black**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Creation date version 1: 08.05.2015
 Tradename: SilaPoly Colour black
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

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

No further relevant information available.
 Utilization of the substance of the formulation: Colorants for polyurethane resin applications

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
 Street / mailbox: Im Klei 26
 Country code. / postal code / city: DE - 38644 Goslar
 Phone: +49 (0) 53 21 / 37 79 - 0
 Fax: +49 (0) 53 21 / 38 96 32
 E-mail / Website: info@siladent.de / www.siladent.de
 Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH

1.4 Emergency telephone number

SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. – 4 p.m.)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008:



GHS07

Skin Sens. 1 **H317** **May cause an allergic skin reaction.**
Aquatic Chronic 3 **H412** **Harmful to aquatic life with long lasting effects.**

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see on this label).

according 1907/2006/EG, Article 31

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SilaPoly Colour blackP333+P313
P501

If skin irritation or rash occurs: Get medical advice/attention.
Dispose of contents/container in accordance with
local/regional/national/international regulations.

2.3 Other hazards**Results of PBT and vPvB assessment:**

PBT:

Not applicable.

vPvB:

Not applicable.


SECTION 3: Composition/information on ingredients**3.2 Chemical characterisation:**

Mixtures

Description:

Pigment preparation

Dangerous components:

EC number: 701-299-7	Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	75-100%
	 Skin Sens. 1, H317; Aquatic Chronic 3, H412	

Additional information:

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information:**

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact:

Protect unharmed eye.
Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting; call for medical help immediately. A person vomiting while laying on their back should be turned onto their side.
Call a doctor immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**For safety reasons unsuitable extinguishing agents:**

Water with full jet.

according 1907/2006/EG, Article 31

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- 5.2 Special hazards arising from the substance or mixture:** In case of fire, the following can be released:
Carbon monoxide (CO)
carbon dioxide
- 5.3 Advice for firefighters**
- Protective equipment:** Wear self-contained respiratory protective device.
- Additional information:** Collect contaminated firefighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Wear protective clothing.
- 6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- 6.4 Reference to other sections:** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling:** Take care by opening.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage:**
- Requirements to be met by storerooms and receptacles:** Keep container tightly closed and dry and storage in a good ventilated room.
Storage temperature: 20 - 25 °C.
- Information about storage in one common storage facility:** Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.
- Further information about storage conditions:** Protect from humidity and water. Protect from heat and direct sunlight. Protect from frost.
- Storage class:** 10
- 7.3 Denomination of Origin:** Made in Germany
- Processing information:** Homogenize content before use
- General remark:** For processing instructions see data sheet.

according 1907/2006/EG, Article 31

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Ingredients with limit values that require monitoring at the workplace:		
1333-86-4 Carbon black		
OEL (Ireland)	Long-term value: 3* mg/m³ *inhalable fraction	
WEL (Great Britain)	Short-term value: 7 mg/m³ Long-term value: 3.5 mg/m³	
DNELs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	DNEL Long-term	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term	1.67 mg/kg bw/day (General population)
Inhalative	DNEL Long-term	4.7 mg/kg bw/day (workers) 0.58 mg/m³ (General population) 3.3 mg/m³ (workers)
PNECs		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
PNEC STP	0.26 mg/L (sewage plant)	
PNEC aqua	25.8 ug/L (freshwater) 2.58 ug/L (marine water) 540 ug/L (intermittent releases)	
PNEC sediment	1,960 mg/kg (freshwater- sediment) 196 mg/kg (seawater - sediment)	
PNEC soil	391 mg/kg (soil (Boden))	

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls:**Appropriate engineering controls:**

No further data; see item 7.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.**Respiratory protection:**

Not necessary if room is well-ventilated.

Hand protection:Preventive skin protection (3-point program) required
Protective gloves (DIN EN 374):
In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).
Layer thickness of gloves at least: 0.4 mm
In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).
Layer thickness of gloves at least: 0.7 mm

Protective gloves.

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR
Nitrile rubber, NBR

Eye protection:

Tightly sealed goggles.

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****General Information**

Colour:	black
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/Freezing point	Undetermined.
Boiling point or initial boiling point and boiling range:	Undetermined.
Flammability:	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	140 °C
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH:	Not determined.
Viscosity:	
Kinematic viscosity:	Not determined.
Dynamic at 20 °C:	2000 mPas
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	1 hPa
Density and/or relative density	
Density at 20 °C:	1.1 g/cm ³

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Relative density: Not determined.
Vapour density: Not determined.

9.2 Other information:**Appearance:****Form:**

Viscous

Important information on protection of health**and environment, and on safety.****Ignition temperature:**

450 °C

Explosive properties:

Product does not present an explosion hazard.

Solvent content:**Organic solvents:**

0.0 %

VOC (EC):

0.0 g/l

Change in condition:**Evaporation rate:**

Not determined.

Information with regard to physical hazard classes**Explosives:**

Void

Flammable gases:

Void

Aerosols:

Void

Oxidising gases:

Void

Gases under pressure:

Void

Flammable liquids:

Void

Flammable solids:

Void

Self-reactive substances and mixtures:

Void

Pyrophoric liquids:

Void

Pyrophoric solids:

Void

Self-heating substances and mixtures:

Void

Substances and mixtures, which emit flammable gases in contact with water**Oxidising liquids:**

Void

Organic peroxides:

Void

Corrosive to metals:

Void

Desensitised explosives:

Void

SECTION 10: Stability and reactivity**10.1 Reactivity:**

No further relevant information available.

10.2 Chemical stability**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions:

No dangerous reactions known.

10.4 Conditions to avoid:

Moisture. Heat, open flames and other ignition sources.
With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen.
Detail in section 7.

10.5 Incompatible materials:

Incompatible with oxidizers, acids.

10.6 Hazardous decomposition products:

If handled accordingly no products of decomposition.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

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SilaPoly Colour black**Acute toxicity:**

Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:		
Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised		
Oral	LD50	>2,000 mg/kg (rat) (OECD 423 Acute oral toxicity)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402 Acute Dermal Toxicity)
Inhalative	LC0 (4h)	5 mg/l (rat) (OECD 403 Acute Inhalation Toxicity)
	NOAEL (28d)	1,000 mg/kg bw/day (rat)
398475-96-2 Alkylammonium salt		
Oral	LD50	>5,000 mg/kg (rat)

Skin corrosion/irritation:

Irritation feasible.

Serious eye damage/irritation:

Irritation feasible.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

11.2 Information on other hazards**Endocrine disrupting properties:**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:**

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised	
EC50 (48 h)	54 mg/l (D)
EL50 (72h)	>100 mg/l (A) (OECD 201 Alga, Growth Inhibition Test)
LL50(96h)	25.8 mg/l (F)
398475-96-2 Alkylammonium salt	
LC50 (96 h)	8 mg/l (F) (OECD 203 Fish, Acute Toxicity Test)
EC50 (72 h)	0.47 mg/l (Pseudokirchnerella Subcapitata)

12.2 Persistence and degradability:

No further relevant information available.

Other information:

Elimination by adsorption onto activated sludge.

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12.3 Bioaccumulative potential:	No further relevant information available.
12.4 Mobility in soil:	No further relevant information available.
12.5 Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
12.6 Endocrine disrupting properties:	The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects	
Remark:	Harmful to fish.
Additional ecological information	
General notes:	Harmful to aquatic organisms Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Recommendation:	Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate waste code according to the European Waste Catalogue (EWC) should be used. No disposal via the sewage
Uncleaned packaging:	
Recommendation:	Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number	
ADR, ADN, IMDG, IATA:	Void.
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA:	Void.
14.3 Transport hazard class(es)	
ADR, ADN, IMDG, IATA:	
Class:	Void.
14.4 Packing group	
ADR, IMDG, IATA:	Void.
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user:	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not applicable.
UN "Model Regulation":	Void.

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SilaPoly Colour black**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07

Signal word:

Warning

Hazard-determining components of labelling:

Naphtha (petroleum), steam-cracked, C8-10 aromatic hydrocarbon fraction, alkylated and oligomerised

Hazard statements:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

P273

Avoid release to the environment.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P321

Specific treatment (see on this label).

P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU**Named dangerous substances - ANNEX I:**

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII:

Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II:

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS:

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors:

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

None of the ingredients is listed.

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SilaPoly Colour black**National regulations:****Water hazard class:**

Water hazard class 1 (VwVwS 17.05.99): slightly hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H317

May cause an allergic skin reaction.

H412

Harmful to aquatic life with long lasting effects.

Recommended restriction of use:

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, cannot be transferred to the new material produced in this way.

Abbreviations and acronyms:

RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO:	International Civil Aviation Organisation
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
VOC:	Volatile Organic Compounds (USA, EU)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	very Persistent and very Bioaccumulative
Skin Sens. 1:	Skin sensitisation – Category 1
Skin Sens. 1A:	Skin sensitisation – Category 1A
Aquatic Chronic 3:	Hazardous to the aquatic environment - Chronic Hazard, Category 3