

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste niedrigviskos
Article number : 8000001-99
Revision date : 02.10.2019
Print date : 02.10.2019
Version (Revision) : 2.3.0 (2.2.0)

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

1.1 Product identifier

KORASILON Paste niedrigviskos (8000001-99)

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

Relevant identified uses

Surface treatment, assembling aid, release agent, Damperfluid

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kurt Obermeier GmbH & Co. KG
Spezialchemikalien Holzschutz

Street : Berghäuser Str. 70

Postal code/city : 57319 Bad Berleburg

Telephone : +492751/524-0

Telefax : +492751/5041

Information contact : E-Mail: sdb@obermeier.de

1.4 Emergency telephone number

+49 / (0)700 24112112 (KOR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

Classification procedure

Calculation method.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Dodecamethylcyclohexasiloxane ; REACH No. : 01-2119517435-42 ; EC No. : 208-762-8; CAS No. : 540-97-6

Weight fraction : < 1 %

Classification 1272/2008 [CLP] : None

Decamethylcyclopentasiloxane ; REACH No. : 01-2119511367-43 ; EC No. : 208-764-9; CAS No. : 541-02-6

Weight fraction : < 1 %

Classification 1272/2008 [CLP] : None

Octamethylcyclotetrasiloxane ; REACH No. : 01-2119529238-36 ; EC No. : 209-136-7; CAS No. : 556-67-2

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Weight fraction : < 1 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Repr. 2 ; H361f Aquatic Chronic 4 ; H413

Further ingredients

Polydimethylsiloxane

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

Dodecamethylcyclhexasiloxane ; REACH No. : 01-2119517435-42 ; EC No. : 208-762-8; CAS No. : 540-97-6

Decamethylcyclopentasiloxane ; REACH No. : 01-2119511367-43 ; EC No. : 208-764-9; CAS No. : 541-02-6

Octamethylcyclotetrasiloxane ; REACH No. : 01-2119529238-36 ; EC No. : 209-136-7; CAS No. : 556-67-2

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Provide fresh air.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider

No special measures are necessary.

Notes for the doctor

Special treatment

Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂) alcohol resistant foam Water spray jet Extinguishing powder Sand

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

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In case of fire toxic gases may be formed.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals. Use personal protection equipment. Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4 Reference to other sections

None

6.5 Additional information

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

Measures to prevent fire

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Hints on joint storage

Storage class (TRGS 510) : 10

Further information on storage conditions

Protect containers against damage.

Maximum storage temperature : 50°C

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

Biological limit values

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No data available

DNEL-/PNEC-values

DNEL/DMEL

Limit value type :	DNEL Consumer (local) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	4,3 mg/m ³
Limit value type :	DNEL Consumer (local) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	4,3 mg/m ³
Limit value type :	DNEL Consumer (local) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	13 mg/m ³
Limit value type :	DNEL Consumer (local) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	13 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	13 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	17,3 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Oral
Exposure frequency :	Short-term
Limit value :	5 mg/kg/day
Limit value type :	DNEL Consumer (systemic) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	13 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	17,3 mg/m ³
Limit value type :	DNEL Consumer (systemic) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Oral
Exposure frequency :	Long-term
Limit value :	5 mg/kg/day
Limit value type :	DNEL Consumer (systemic) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Oral
Exposure frequency :	Short-term
Limit value :	3,7 mg/kg/day
Limit value type :	DNEL Consumer (systemic) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Oral
Exposure frequency :	Long-term
Limit value :	3,7 mg/kg/day
Limit value type :	DNEL worker (local) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation

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Exposure frequency :	Short-term
Limit value :	73 mg/m ³
Limit value type :	DNEL worker (local) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	24,2 mg/m ³
Limit value type :	DNEL worker (local) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	24,2 mg/m ³
Limit value type :	DNEL worker (local) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	73 mg/m ³
Limit value type :	DNEL worker (systemic) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	73 mg/m ³
Limit value type :	DNEL worker (systemic) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	97,3 mg/m ³
Limit value type :	DNEL worker (systemic) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	97,3 mg/m ³
Limit value type :	DNEL worker (systemic) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	73 mg/m ³

PNEC

Limit value type :	PNEC (Aquatic, freshwater) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Limit value :	> 0,0012 mg/l
Limit value type :	PNEC (Aquatic, freshwater) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Limit value :	0,00044 mg/l
Limit value type :	PNEC (Aquatic, marine water) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Limit value :	0,00004 mg/l
Limit value type :	PNEC (Aquatic, marine water) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Limit value :	> 0,00012 mg/l
Limit value type :	PNEC (Sediment, freshwater) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Limit value :	2,4 mg/kg
Limit value type :	PNEC (Sediment, freshwater) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Limit value :	0,128 mg/kg
Limit value type :	PNEC (Sediment, marine water) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Limit value :	0,013 mg/kg
Limit value type :	PNEC (Sediment, marine water) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Limit value :	0,24 mg/kg
Limit value type :	PNEC (Soil) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Limit value :	1,1 mg/kg
Limit value type :	PNEC (Soil) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Limit value :	0,136 mg/kg
Limit value type :	PNEC (Sewage treatment plant) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Limit value :	> 10 mg/l

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Limit value type : PNEC (Sewage treatment plant) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Limit value : > 10 mg/l

8.2 Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. EN ISO 374

Suitable material : Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Respiratory protection

Usually no personal respiratory protection necessary. Respiratory protection necessary at: aerosol or mist formation.

Suitable respiratory protection apparatus

Filtering Half-face mask (DIN EN 149) FFP1

General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.3 Additional information

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Paste

Colour : Different according to colour

Odour

light

Safety characteristics

Solidifying point :	(1 bar / 1 Pa)	not determined	Brookfield
Melting point/freezing point :		not determined	
Freezing point :		not determined	
Initial boiling point and boiling range :		not applicable	
Decomposition temperature :		not determined	
Auto-ignition temperature :		not determined	
Flash point :	>	250 °C	ISO 2592
Lower explosion limit :		not determined	
Upper explosion limit :		not determined	
Vapour pressure :	(50 °C)	not determined	
Density :	(25 °C) approx.	0,97 g/cm ³	
Solvent separation test :	(20 °C)	not determined	
Fat solubility :	(20 °C)	Not determined.	
Solubility in water		Insoluble	
pH :	(20 °C)	not applicable	
log P O/W :		not determined	

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Viscosity :	(20 °C)	not determined
Odour threshold :		not determined
Relative vapour density :	(20 °C)	not determined
Evaporation rate :		not determined
Vapourisation rate :		not determined
Flammable solids :	Not determined.	
Flammable gases :	Not determined.	
Oxidising liquids :	Not determined.	
Explosive properties :	Not determined.	
Corrosive to metals :	Not determined.	

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.7 Additional information

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter :	LD50 (Polydimethylsiloxane)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (Dodecamethylcyclhexasiloxane ; CAS No. : 540-97-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route :	Oral
Species :	Rat

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Effective dose : 4800 mg/kg
Method : OECD 401

The product has not been tested.

Acute dermal toxicity

Parameter : LD50 (Polydimethylsiloxane)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (Dodecamethylcyclohexasiloxane ; CAS No. : 540-97-6)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Parameter : LD50 (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg
Method : OECD 402
Parameter : LD50 (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Dermal
Species : Rat
Effective dose : > 2400 mg/kg
Method : OECD 402

The product has not been tested.

Acute inhalation toxicity

Parameter : LC50 (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Inhalation
Species : Rat
Effective dose : 36 mg/l
Exposure time : 4 h
Method : OECD 403

The product has not been tested.

Specific effects (Longterm animal experiment)

The product has not been tested.

Corrosion

Skin corrosion/irritation

The product has not been tested.

Serious eye damage/eye irritation

The product has not been tested.

Irritation to respiratory tract

The product has not been tested.

Respiratory or skin sensitisation

Skin sensitisation

The product has not been tested.

Sensitisation to the respiratory tract

The product has not been tested.

Repeated dose toxicity (subacute, subchronic, chronic)

The product has not been tested.

Subacute oral toxicity

Parameter : NOAEL(C) (Polydimethylsiloxane)
Exposure route : Oral
Species : Rat
Effective dose : >= 1000 mg/kg

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Parameter : NOAEL(C) (Dodecamethylcyclohexasiloxane ; CAS No. : 540-97-6)
Exposure route : Oral
Species : Rat
Effective dose : 1000 mg/kg
Parameter : NOAEL(C) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route : Oral
Species : Rat
Effective dose : => 1000 mg/kg
Exposure time : 90 D

Subacute dermal toxicity

Parameter : NOAEL(C) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route : Dermal
Species : Rat
Effective dose : => 1600 mg/kg
Exposure time : 28 D
Method : OECD 410
Parameter : NOAEL(C) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 1 mg/kg
Exposure time : 21 D
Method : OECD 410

Subacute inhalation toxicity

Parameter : NOAEC (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Inhalation
Species : Rat
Effective dose : 150 mg/kg
Exposure time : 730 D
Parameter : NOAEL(C) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Exposure route : Inhalation
Species : Rat
Effective dose : >= 160 ppm
Exposure time : 720 D

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Parameter : Carcinogenicity (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Result : Negative.
Parameter : NOAEL(C) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Inhalation
Species : Rat
Effective dose : 150 mg/kg
Exposure time : 730 D
Method : OECD 453
Parameter : NOAEL(C) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Inhalation
Species : Rat
Effective dose : > 700 mg/kg
Exposure time : 730 D
Method : OECD 453

The product has not been tested.

Germ cell mutagenicity

The product has not been tested.

In vitro mutagenicity

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Parameter : In vitro mutagenicity (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Result : Ames test negative.
Parameter : In vitro mutagenicity (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Species : Salmonella typhimurium
Result : Negative.
Method : OECD 471 (Ames test)
Parameter : In vitro mutagenicity (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Species : Mouse
Result : Negative.
Method : OECD 476

In vivo mutagenicity

Parameter : In-vivo Unscheduled DNA Synthesis (UDS) (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Species : Rat
Result : Negative.

Reproductive toxicity

The product has not been tested.

Reproductive toxicity

Two generation reproduction toxicity test

Parameter : Two generation reproduction toxicity test (Decamethylcyclopentasiloxane ; CAS No. : 541-02-6)
Species : Rat
Result : Negative.
Parameter : NOAEL(C) (Octamethylcyclotetrasiloxane ; CAS No. : 556-67-2)
Exposure route : Inhalation
Species : Rat
Effective dose : 300 mg/kg
Method : OECD 416

STOT-single exposure

The product has not been tested.

STOT-repeated exposure

The product has not been tested.

Aspiration hazard

The product has not been tested.

11.2 Toxicokinetics, metabolism and distribution

The product has not been tested.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

No data available

11.4 Other adverse effects

No data available

11.5 Additional information

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC0 (Polydimethylsiloxane)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity

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Effective dose : 200 mg/l

Exposure time : 96 h

The product has not been tested.

Chronic (long-term) fish toxicity

Parameter : NOEC (Polydimethylsiloxane)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : > 10000 mg/kg

Exposure time : 28 D

The product has not been tested.

Acute (short-term) toxicity to crustacea

Parameter : EC0 (Polydimethylsiloxane)

Species : Daphnia magna (Big water flea)

Evaluation parameter : Acute (short-term) daphnia toxicity

Effective dose : > 0,0001 mg/l

Exposure time : 48 h

The product has not been tested.

Chronic (long-term) toxicity to crustacea

The product has not been tested.

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : IC50 (Polydimethylsiloxane)

Species : Skeletonema costatum

Effective dose : > 100000 mg/l

Exposure time : 72 h

The product has not been tested.

Chronic (long-term) algae toxicity

The product has not been tested.

Toxicity to microorganisms

The product has not been tested.

Terrestrial toxicity

The product has not been tested.

Toxicity to terrestrial plants

The product has not been tested.

Effects in sewage plants

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

12.2 Persistence and degradability

Abiotic degradation

The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

Biodegradation

Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

Octamethylcyclotetrasiloxane (D4) meets the current EU REACH Annex XIII criteria for PBT and vPvB and has been added to the candidate list for Substances of very high concern (SVHC). However, D4 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by naturally occurring reactions in the atmosphere. Any D4 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms. Decamethylcyclopentasiloxane (D5) meets

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the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC). However, D5 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by naturally occurring reactions in the atmosphere. Any D5 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms. Dodecamethylcyclotrihexasiloxane (D6) meets the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC). However, D6 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D6 is not biomagnifying in aquatic and terrestrial food webs. D6 in air will degrade by naturally occurring reactions in the atmosphere. Any D6 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Transport information Land transport (ADR/RID) : Sea transport (IMDG) : Air transport (ICAO-TI / IATA-DGR) :

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

EU legislation

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste niedrigviskos
Article number : 8000001-99
Revision date : 02.10.2019
Print date : 02.10.2019
Version (Revision) : 2.3.0 (2.2.0)

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 70

National regulations

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. II) : 0,1 - 1 %

Sum organic substances class III : 85 - 100 %

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV

Additional information

Substance/product listed in the following inventories

TSCA REACH DSL/NDL ENCS (Class 1 and 2) AICS KECL IECSC PICCS TCSI

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals

GHS - Globally Harmonised System of Classification and Labeling

CLP - Classification, Labeling and Packaging of Substances and Mixtures

CAS - Chemical Abstract Service

TWA - Time Weighted Average

DNEL/DMEL - Derived No Effect Level

PNEC - Predicted No Effect Concentration

STP - Sewage Treatment Plant

TRGS - Technical Rules for Hazardous Substances (German Regulations)

STEL - Short-term Exposure Limit

TLV - threshold limit value

AGW - Occupational threshold limit value

RCP - Reciprocal Calculation Procedure

ATE - Acute Toxicity Estimate

MAK Threshold limit values Germany

LD50 - Lethal Dose, 50%

LC50 - Lethal concentration, 50%

OECD - Organization for Economic Cooperation and Development

NOAEL - No Observed Adverse Effect Level

EC50 - half maximal effective concentration

NOEC - No Observed Effect Concentration

PBT - Persistent, Bioaccumulative, Toxic

vPvB - very Persistent, very Bioaccumulative

ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)

IMDG - International Maritime Dangerous Goods Code

ICAO - International Civil Aviation Association

IATA - International Air Transport Association

VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes

AwSV - Ordinance on facilities for handling substances that are hazardous to water

16.3 Key literature references and sources for data

None

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name :	KORASILON Paste niedrigviskos		
Article number :	8000001-99		
Revision date :	02.10.2019	Version (Revision) :	2.3.0 (2.2.0)
Print date :	02.10.2019		

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H361f	Suspected of damaging fertility.
H413	May cause long lasting harmful effects to aquatic life.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019
Version (Revision) : 1.7.0 (1.6.0)

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

1.1 Product identifier

KORASILON Paste mittelviskos (8000002-99)

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

Relevant identified uses

Surface treatment, assembling aid, release agent, Damperfluid

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kurt Obermeier GmbH & Co. KG
Spezialchemikalien Holzschutz

Street : Berghäuser Str. 70

Postal code/city : 57319 Bad Berleburg

Telephone : +492751/524-0

Telefax : +492751/5041

Information contact : E-Mail: sdb@obermeier.de

1.4 Emergency telephone number

+49 / (0)700 24112112 (KOR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

Classification procedure

Calculation method.

2.2 Label elements

None

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

None

Further ingredients

Polydimethylsiloxane

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name :	KORASILON Paste mittelviskos		
Article number :	8000002-99		
Revision date :	04.10.2019	Version (Revision) :	1.7.0 (1.6.0)
Print date :	04.10.2019		

Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Provide fresh air.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider

No special measures are necessary.

Notes for the doctor

Special treatment

Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂) alcohol resistant foam Water spray jet Extinguishing powder Sand

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

In case of fire toxic gases may be formed.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals. Use personal protection equipment. Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name :	KORASILON Paste mittelviskos		
Article number :	8000002-99		
Revision date :	04.10.2019	Version (Revision) :	1.7.0 (1.6.0)
Print date :	04.10.2019		

6.4 Reference to other sections

None

6.5 Additional information

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

Measures to prevent fire

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Hints on joint storage

Storage class (TRGS 510) : 10

Further information on storage conditions

Protect containers against damage.

Maximum storage temperature : 50°C

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

Biological limit values

No data available

DNEL-/PNEC-values

DNEL/DMEL

No data available

PNEC

No data available

8.2 Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. EN ISO 374

Suitable material : Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019
Version (Revision) : 1.7.0 (1.6.0)

above together with the supplier of these gloves.

Respiratory protection

Usually no personal respiratory protection necessary. Respiratory protection necessary at: aerosol or mist formation.

Suitable respiratory protection apparatus

Filtering Half-face mask (DIN EN 149) FFP1

General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.3 Additional information

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Paste

Colour : Different according to colour

Odour

light

Safety characteristics

Solidifying point :	(1 bar / 1 Pa)	not determined	Brookfield
Melting point/freezing point :		not determined	
Freezing point :		not determined	
Initial boiling point and boiling range :		not applicable	
Decomposition temperature :		not determined	
Flash point :	>	300 °C	
Auto-ignition temperature :		not determined	
Lower explosion limit :		not determined	
Upper explosion limit :		not determined	
Vapour pressure :	(50 °C)	not determined	
Density :	(20 °C)	approx. 0,97	g/cm ³
Solvent separation test :	(20 °C)	not determined	
Fat solubility :	(20 °C)	Not determined.	
Solubility in water		Insoluble	
pH :	(20 °C)	not applicable	
log P O/W :		not determined	
Viscosity :	(20 °C)	not determined	
Odour threshold :		not determined	
Relative vapour density :	(20 °C)	not determined	
Evaporation rate :		not determined	
Vapourisation rate :		not determined	
Flammable solids :	Not determined.		
Flammable gases :	Not determined.		
Oxidising liquids :	Not determined.		
Explosive properties :	Not determined.		
Corrosive to metals :	Not determined.		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019

Version (Revision) : 1.7.0 (1.6.0)

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.7 Additional information

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter : LD50 (Polydimethylsiloxane)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

The product has not been tested.

Acute dermal toxicity

Parameter : LD50 (Polydimethylsiloxane)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

The product has not been tested.

Acute inhalation toxicity

The product has not been tested.

Specific effects (Longterm animal experiment)

The product has not been tested.

Corrosion

Skin corrosion/irritation

The product has not been tested.

Serious eye damage/eye irritation

The product has not been tested.

Irritation to respiratory tract

The product has not been tested.

Respiratory or skin sensitisation

Skin sensitisation

The product has not been tested.

Sensitisation to the respiratory tract

The product has not been tested.

Repeated dose toxicity (subacute, subchronic, chronic)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019
Version (Revision) : 1.7.0 (1.6.0)

The product has not been tested.

Subacute oral toxicity

Parameter : NOAEL(C) (Polydimethylsiloxane)
Exposure route : Oral
Species : Rat
Effective dose : ≥ 1000 mg/kg

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

The product has not been tested.

Germ cell mutagenicity

The product has not been tested.

Reproductive toxicity

The product has not been tested.

STOT-single exposure

The product has not been tested.

STOT-repeated exposure

The product has not been tested.

Aspiration hazard

The product has not been tested.

11.2 Toxicokinetics, metabolism and distribution

The product has not been tested.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

No data available

11.4 Other adverse effects

No data available

11.5 Additional information

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC0 (Polydimethylsiloxane)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 200 mg/l
Exposure time : 96 h

The product has not been tested.

Chronic (long-term) fish toxicity

Parameter : NOEC (Polydimethylsiloxane)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : > 10000 mg/kg
Exposure time : 28 D

The product has not been tested.

Acute (short-term) toxicity to crustacea

Parameter : EC0 (Polydimethylsiloxane)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : $> 0,0001$ mg/l

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019

Version (Revision) : 1.7.0 (1.6.0)

Exposure time : 48 h

The product has not been tested.

Chronic (long-term) toxicity to crustacea

The product has not been tested.

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : IC50 (Polydimethylsiloxane)

Species : Skeletonema costatum

Effective dose : > 100000 mg/l

Exposure time : 72 h

The product has not been tested.

Chronic (long-term) algae toxicity

The product has not been tested.

Toxicity to microorganisms

The product has not been tested.

Terrestrial toxicity

The product has not been tested.

Toxicity to terrestrial plants

The product has not been tested.

Effects in sewage plants

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

12.2 Persistence and degradability

Abiotic degradation

The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

Biodegradation

Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019

Version (Revision) : 1.7.0 (1.6.0)

SECTION 14: Transport information

Transport information Land transport (ADR/RID) : Sea transport (IMDG) : Air transport (ICAO-TI / IATA-DGR) :

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

National regulations

Technische Anleitung Luft (TA-Luft)

Sum organic substances class III : 85 - 100 %

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV

Additional information

Substance/product listed in the following inventories

TSCA REACH DSL/NDSL ENCS (Class 1 and 2) AICS KECL IECSC PICCS TCSI

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals

GHS - Globally Harmonised System of Classification and Labeling

CLP - Classification, Labeling and Packaging of Substances and Mixtures

CAS - Chemical Abstract Service

TWA - Time Weighted Average

DNEL/DMEL - Derived No Effect Level

PNEC - Predicted No Effect Concentration

STP - Sewage Treatment Plant

TRGS - Technical Rules for Hazardous Substances (German Regulations)

STEL - Short-term Exposure Limit

TLV - threshold limit value

AGW - Occupational threshold limit value

RCP - Reciprocal Calculation Procedure

ATE - Acute Toxicity Estimate

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste mittelviskos
Article number : 8000002-99
Revision date : 04.10.2019
Print date : 04.10.2019
Version (Revision) : 1.7.0 (1.6.0)

MAK Threshold limit values Germany
LD50 - Lethal Dose, 50%
LC50 - Lethal concentration, 50%
OECD - Organization for Economic Cooperation and Development
NOAEL - No Observed Adverse Effect Level
EC50 - half maximal effective concentration
NOEC - No Observed Effect Concentration
PBT - Persistent, Bioaccumulative, Toxic
vPvB - very Persistent, very Bioaccumulative
ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)
IMDG - International Maritime Dangerous Goods Code
ICAO - International Civil Aviation Association
IATA - International Air Transport Association
VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes
AwSV - Ordinance on facilities for handling substances that are hazardous to water

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

None

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste hochviskos
Article number : 8000003-99
Revision date : 04.10.2019
Print date : 04.10.2019

Version (Revision) : 1.6.0 (1.5.0)

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

1.1 Product identifier

KORASILON Paste hochviskos (8000003-99)

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

Relevant identified uses

Surface treatment, assembling aid, release agent, Damperfluid

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kurt Obermeier GmbH & Co. KG
Spezialchemikalien Holzschutz

Street : Berghäuser Str. 70

Postal code/city : 57319 Bad Berleburg

Telephone : +492751/524-0

Telefax : +492751/5041

Information contact : E-Mail: sdb@obermeier.de

1.4 Emergency telephone number

+49 / (0)700 24112112 (KOR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

None

Classification procedure

Calculation method.

2.2 Label elements

None

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

None

Further ingredients

Polydimethylsiloxane

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste hochviskos
Article number : 8000003-99
Revision date : 04.10.2019
Print date : 04.10.2019

Version (Revision) : 1.6.0 (1.5.0)

Change contaminated, saturated clothing. When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Provide fresh air.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider

No special measures are necessary.

Notes for the doctor

Special treatment

Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂) alcohol resistant foam Water spray jet Extinguishing powder Sand

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

In case of fire toxic gases may be formed.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals. Use personal protection equipment. Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : KORASILON Paste hochviskos
Article number : 8000003-99
Revision date : 04.10.2019
Print date : 04.10.2019

Version (Revision) : 1.6.0 (1.5.0)

6.4 Reference to other sections

None

6.5 Additional information

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

Measures to prevent fire

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Hints on joint storage

Storage class (TRGS 510) : 10

Further information on storage conditions

Protect containers against damage.

Maximum storage temperature : 50°C

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

Does not contain substances above concentration limits fixing an occupational exposure limit.

Biological limit values

No data available

DNEL-/PNEC-values

DNEL/DMEL

No data available

PNEC

No data available

8.2 Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. EN ISO 374

Suitable material : Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned

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above together with the supplier of these gloves.

Respiratory protection

Usually no personal respiratory protection necessary. Respiratory protection necessary at: aerosol or mist formation.

Suitable respiratory protection apparatus

Filtering Half-face mask (DIN EN 149) FFP1

General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.3 Additional information

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Paste

Colour : Different according to colour

Odour

light

Safety characteristics

Solidifying point :	(1 bar / 1 Pa)	not determined	Brookfield
Melting point/freezing point :		not determined	
Freezing point :		not determined	
Initial boiling point and boiling range :		not applicable	
Decomposition temperature :		not determined	
Auto-ignition temperature :		not determined	
Flash point :	>	300 °C	ISO 2592
Lower explosion limit :		not determined	
Upper explosion limit :		not determined	
Vapour pressure :	(50 °C)	not determined	
Density :	(20 °C)	approx. 0,97 g/cm ³	
Solvent separation test :	(20 °C)	not determined	
Fat solubility :	(20 °C)	Not determined.	
Solubility in water		Insoluble	
pH :	(20 °C)	not applicable	
log P O/W :		not determined	
Viscosity :	(20 °C)	not determined	
Odour threshold :		not determined	
Relative vapour density :	(20 °C)	not determined	
Evaporation rate :		not determined	
Vapourisation rate :		not determined	
Flammable solids :	Not determined.		
Flammable gases :	Not determined.		
Oxidising liquids :	Not determined.		
Explosive properties :	Not determined.		
Corrosive to metals :	Not determined.		

9.2 Other information

No data available

SECTION 10: Stability and reactivity

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10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.7 Additional information

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter : LD50 (Polydimethylsiloxane)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg

The product has not been tested.

Acute dermal toxicity

Parameter : LD50 (Polydimethylsiloxane)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

The product has not been tested.

Acute inhalation toxicity

The product has not been tested.

Specific effects (Longterm animal experiment)

The product has not been tested.

Corrosion

Skin corrosion/irritation

The product has not been tested.

Serious eye damage/eye irritation

The product has not been tested.

Irritation to respiratory tract

The product has not been tested.

Respiratory or skin sensitisation

Skin sensitisation

The product has not been tested.

Sensitisation to the respiratory tract

The product has not been tested.

Repeated dose toxicity (subacute, subchronic, chronic)

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The product has not been tested.

Subacute oral toxicity

Parameter : NOAEL(C) (Polydimethylsiloxane)
Exposure route : Oral
Species : Rat
Effective dose : ≥ 1000 mg/kg

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

The product has not been tested.

Germ cell mutagenicity

The product has not been tested.

Reproductive toxicity

The product has not been tested.

STOT-single exposure

The product has not been tested.

STOT-repeated exposure

The product has not been tested.

Aspiration hazard

The product has not been tested.

11.2 Toxicokinetics, metabolism and distribution

The product has not been tested.

11.3 Symptoms related to the physical, chemical and toxicological characteristics

No data available

11.4 Other adverse effects

No data available

11.5 Additional information

No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC0 (Polydimethylsiloxane)
Species : Leuciscus idus (golden orfe)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 200 mg/l
Exposure time : 96 h

The product has not been tested.

Chronic (long-term) fish toxicity

Parameter : NOEC (Polydimethylsiloxane)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : > 10000 mg/kg
Exposure time : 28 D

The product has not been tested.

Acute (short-term) toxicity to crustacea

Parameter : EC0 (Polydimethylsiloxane)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) daphnia toxicity
Effective dose : $> 0,0001$ mg/l

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Exposure time : 48 h

The product has not been tested.

Chronic (long-term) toxicity to crustacea

The product has not been tested.

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : IC50 (Polydimethylsiloxane)

Species : Skeletonema costatum

Effective dose : > 100000 mg/l

Exposure time : 72 h

The product has not been tested.

Chronic (long-term) algae toxicity

The product has not been tested.

Toxicity to microorganisms

The product has not been tested.

Terrestrial toxicity

The product has not been tested.

Toxicity to terrestrial plants

The product has not been tested.

Effects in sewage plants

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

12.2 Persistence and degradability

Abiotic degradation

The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

Biodegradation

Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

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SECTION 14: Transport information

Transport information Land transport (ADR/RID) : Sea transport (IMDG) : Air transport (ICAO-TI / IATA-DGR) :

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

National regulations

Technische Anleitung Luft (TA-Luft)

Sum organic substances class III : 85 - 100 %

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to AwSV

Additional information

Substance/product listed in the following inventories

TSCA REACH DSL/NDSL ENCS (Class 1 and 2) AICS KECL IECSC PICCS TCSI

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals

GHS - Globally Harmonised System of Classification and Labeling

CLP - Classification, Labeling and Packaging of Substances and Mixtures

CAS - Chemical Abstract Service

TWA - Time Weighted Average

DNEL/DMEL - Derived No Effect Level

PNEC - Predicted No Effect Concentration

STP - Sewage Treatment Plant

TRGS - Technical Rules for Hazardous Substances (German Regulations)

STEL - Short-term Exposure Limit

TLV - threshold limit value

AGW - Occupational threshold limit value

RCP - Reciprocal Calculation Procedure

ATE - Acute Toxicity Estimate

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MAK Threshold limit values Germany
LD50 - Lethal Dose, 50%
LC50 - Lethal concentration, 50%
OECD - Organization for Economic Cooperation and Development
NOAEL - No Observed Adverse Effect Level
EC50 - half maximal effective concentration
NOEC - No Observed Effect Concentration
PBT - Persistent, Bioaccumulative, Toxic
vPvB - very Persistent, very Bioaccumulative
ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)
IMDG - International Maritime Dangerous Goods Code
ICAO - International Civil Aviation Association
IATA - International Air Transport Association
VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes
AwSV - Ordinance on facilities for handling substances that are hazardous to water

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

None

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.