

Material Safety Data Sheet

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



Trade name : Baysilone Paste mittelviskos
Article number : 8000002-99
Revision date : 23.10.2014 Version (Revision) : 4.0.1 (4.0.0)
Print date : 23.10.2014

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

1.1 Product identifier

Baysilone 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 : 0049 (0) 2751/524-0

Telefax : 0049 (0) 2751/5041

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

1.4 Emergency telephone number

+49 2751/524-113 (Mo-Fr 08:00-16:00 / 8.00am-4.00pm)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

None

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

None

2.2 Label elements

None

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

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

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

In case of 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.

Information to physician

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

None

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).

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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 discharge.

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.

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/DMEL and PNEC values

DNEL/DMEL

No data available

PNEC

No data available

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

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

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Usually no personal respiratory protection necessary.

General health and safety measures

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 relevant basis data

Solidifying point :	(1 bar / 1 Pa)	No data available	Brookfield
Melting point/melting range :		No data available	
Freezing point :		No data available	
Boiling temperature/boiling range :	>	315 °C	
Decomposition temperature :		No data available	
Flash point :	>	300 °C	
Ignition temperature :		No data available	
Lower explosion limit :		No data available	
Upper explosion limit :		No data available	
Vapour pressure :	(50 °C)	No data available	
Density :	(20 °C)	ca.	0,97 g/cm ³
Solvent separation test :	(20 °C)	No data available	
Fat solubility :	(20 °C)	No data available.	
Solubility in water		Insoluble	
PH value :	(20 °C)	No data available	
log P O/W :		No data available	
Viscosity :	(20 °C)	No data available	
Odour threshold :		No data available	
Relative vapour density :	(20 °C)	No data available	
Evaporation rate :		No data available	
Vapourisation rate :		No data available	
Flammable solids :		No data available.	
Flammable gases :		No data available.	
Oxidising liquids :		No data available.	
Explosive properties :		No data available.	
Corrosive to metals :		No data available.	

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

When using the recommended storage and handling conditions (see Section 7).

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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 discharge.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Measurements at temperatures above 150 °C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

10.7 Additional information

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

Acute effects

Acute oral toxicity

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

Acute dermal toxicity

Parameter : LD50 (POLYDIMETHYLSILOXANE)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 10000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (POLYDIMETHYLSILOXANE)
Exposure route : Inhalation
Species : Rat
Effective dose : > 535 mg/kg
Exposure time : 1 h

Specific symptoms in animal studies

No data available

Irritant and corrosive effects

Primary irritation to the skin

No data available

Irritation to eyes

No data available

Irritation to respiratory tract

No data available

Sensitisation

In case of skin contact

No data available

In case of inhalation

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No data available

Repeated dose toxicity (subacute, subchronic, chronic)

No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No data available

Germ cell mutagenicity/Genotoxicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity (single exposure)

No data available

Specific target organ toxicity (repeated exposure)

No data available

Aspiration hazard

No data available

11.2 Toxicokinetics, metabolism and distribution

No data available

11.3 Other adverse effects

No data available

11.4 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

Acute (short-term) daphnia toxicity

No data available

Acute (short-term) algae toxicity

No data available

Bacteria toxicity

Parameter : EC0 (POLYDIMETHYLSILOXANE)
Species : Pseudomonas putida
Effective dose : > 10000 mg/l

Terrestrial toxicity

No data available

Plant toxicity

No data available

Effects in sewage plants

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

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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

No indication of bioaccumulation potential.

12.4 Mobility in soil

No data available

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 Further ecological information

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

SECTION 14: Transport information

14.1 UN number

No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name

No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)

No dangerous goods in sense of this transport regulation.

14.4 Packing group

No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards

No dangerous goods in sense of this transport regulation.

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

Water hazard class (WGK)

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

Additional information

Substance/product listed in the following inventories

TSCA EINECS/ELINCS DSL/NDL ENCS (Class 1 and 2) AICS KECL IECSC PICCS

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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** - threshold limit value
RCP - Reciprocal Calculation Procedure
ATE - Acute Toxicity Estimate
MAK threshold limit value
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

16.3 Key literature references and sources for data

None

16.4 Relevant R-phrases (Number and full text)

None

16.5 Training advice

None

16.6 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.