



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

1.1. Product identifier

Name of product 2 Komponenten Formguss-Silicon

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

Identified uses

Sector of uses [SU]

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

joke Technology GmbH
Asselborner Weg 14-16, D-51249 Bergisch Gladbach
Phone +49 (0) 22 04 / 8 39-0, Fax +49 (0) 22 04 / 8 39-60
E-Mail info@joke.de
Internet www.joke.de

Advice

Phone +49 (0) 22 04 / 8 39-0
Fax +49 (0) 22 04 / 8 39-60
E-mail (competent person):
safety-data-sheet@joke.de

1.4. Emergency telephone number

Emergency advice

Vergiftungs-I-Z. Freiburg
Phone Telefon: +49 (0) 761 / 1 92 40
REACH and CLP UK CA Help Desk; Telephone: +44
171 635 9191

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard statements for physical hazards

No information available.

Hazard statements for health hazards

No information available.

Hazard statements for environmental hazards

No information available.

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

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

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

Hazard statements for physical hazards

No information available.

Hazard statements for health hazards

No information available.



Hazard statements for environmental hazards

No information available.

Precautionary Statements

Prevention

no

Response

No data available

Disposal

P501 Dispose of contents and containers in accordance with local, regional, national and international regulations.

Additional information

Special rules on packaging

No information available.

2.3. Other hazards

Results of PBT and vPvB assessment

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

This mixture does not contain any notifiable substances according to the criteria of 3.2 of Annex II of the REACH Regulation.

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
14808-60-7	238-878-4	Siliciumdioxid (SiO ₂)	< 2	

Additional advice

Polydimethylsiloxane with functional groups and auxiliaries.

Labelling for contents according to regulation (EC) No 648/2004, annex VII

not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately and dispose it safely.
In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.



In case of skin contact

In case of contact with skin wash off immediately with soap and water.
Remove contaminated clothing immediately, even underwear and shoes.

In case of eye contact

Eye rinsing with water carefully while protecting unhurt eye.
Remove contact lenses, if possible
Seek medical advice immediately.

In case of ingestion

Turn a vomiting person lying on his back onto his side.
Do not induce vomiting.
Observe the aspiration hazard.
Seek medical advice immediately.

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

Physician's information / possible symptoms

No information available.

Physician's information / possible dangers

No information available.

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

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Fire-extinguishing activities according to surrounding.
Alcohol-resistant foam
Carbon dioxide
Water spray jet

Unsuitable extinguishing media

dry powder
Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)

The use of water-based fire extinguishing agents can release hydrogen, which can lead to fire or explosion recovery.

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Wear full protective clothing.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.



SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.
Keep away sources of ignition.
Use breathing apparatus if exposed to vapours/dust/aerosol.

For emergency responders

Remove persons to safety.
Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..
In case of pollution of waters or sewers, inform the competent authorities.

6.3. Methods and material for containment and cleaning up

Pump off larger quantity.
Do not distribute with water.
Clean contaminated objects and floor thoroughly under consideration of environment regulations.
Disposal according to regulations.
Take up residues with absorbent material (e.g. kieselguhr).

Additional Information

Informations for safe handling see chapter 7.

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Take measures against electrostatically charging.
Provide good room ventilation even at ground level (vapours are heavier than air).

General protective measures

Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures

Clean skin thoroughly after working.
At work do not eat, drink and smoke.
Remove soiled or soaked clothing immediately.
After work wash thoroughly.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Vapours can form an explosive mixture with air.
Take precautionary measures against static discharges.
Pay attention to general rules of internal fire prevention.
Avoid effect of heat.



7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.
Ventilate store-rooms thoroughly.

Advice on storage compatibility

Do not store with acids or alkalies.
Store and transport separate of food.
Do not store together with oxidizing agents.

Further information on storage conditions

Protect from heat and direct solar radiation.
Keep container dry, tightly closed and store at cool and aired place.

Information on storage stability

No information available.

Storage group 10

7.3. Specific end use(s)

Recommendation(s) for intended use

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

8.2. Exposure controls

Respiratory protection

If aerosol is used, use a suitable respirator (filter mask, recommended filter type: FFP1 or equivalent to EN 149) and protective clothing.

Hand protection

Protective gloves

Selection of the glove material considering the breakthrough times, permeation rates and the degradation.

Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungsstärke]:

Nitrilkautschuk, 0,9-1 mm, >480 Min., level 6, DIN EN 374.

Information on glove material [type / type, thickness, penetration time, force]: butyl, 0.5 mm, > = 8 h

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

Thermal hazards

No information available.

Limitation and surveillance of the environment

Take appropriate protective measures to limit or prevent emissions.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

viscous

Colour

various, depending on coloration

Odour

odourless

Odour threshold

No data available

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	7				
Boiling temperature / boiling range	not determined				
melting point	not determined				
Flash point	> 200 °C			DIN 51376	
Vapourisation rate	not applicable				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	> 450 °C				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not applicable				
Relative density	1,14 g/cm ³	20 °C		DIN 51757	
Bulk density	No data available				
Vapour density	not applicable				
Solubility in water		20 °C			more or less insoluble
Solubility/other	No data available				
Partition coefficient n-octanol/water (log P O/W)	No data available				
Decomposition temperature	not determined				



	Value	Temperature	at	Method	Remark
Viscosity dynamic	ca. 25000 mPa*s	20 °C			
Solvent separation test	No data available				
Solvent content	not applicable				
Water content	No data available				
Combustion value	No data available				
Sensitiveness to impact	No data available				
Oxidising properties	No data available				
Explosive properties	No information available.				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known.

10.2. Chemical stability

stable

10.3. Possibility of hazardous reactions

If handled and stored as intended, no hazardous reactions will occur.

10.4. Conditions to avoid

High temperatures, ignition sources, incompatible materials

Contact with contaminated pipes and containers or corroded or rusty containers can lead to increased hydrogen formation.

10.5. Incompatible materials

Substances to avoid

Alkali (lye)

Alcohols

Amines

Ammonia

Catalyst

Acid

Oxidising agent

Water



10.6. Hazardous decomposition products

Formaldehyde
Hydrogen

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat		
LD50 acute dermal	> 2000 mg/kg	rat		
LC50 acute inhalation	No data available			
Skin irritation	non-irritant			
Eye irritation	non-irritant			
Skin sensitization	non-sensitizing			
Sensitization respiratory system	no			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity				No data available
Subchronic Toxicity				No data available
Chronic Toxicity				No data available
Mutagenicity				no
Reproduction-Toxicity				no
Carcinogenicity				no
Specific target organ toxicity (single exposure)	No data available			
Specific target organ toxicity (repeated exposure)	No data available			
Aspiration hazard	no			



Toxicity test (Additional information)

No data available

Experiences made from practice

No data available

Additional information

No toxicological data available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish			No data available
Daphnia			No data available
Algae			No data available
Bacteria			No data available

12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	No data available		
Biological degradability			not degradable
Degradability			not degradable
Biological eliminability	No data available		
Degradability according to WRMG	No data available		

12.3. Bioaccumulative potential

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.



SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Remove in accordance with local official regulations.

Keep material away from incompatible materials as described in Chapter 10. Separate waste. Waste containers should be equipped with a pressure relief device.

Recommendations for packaging

Packaging that cannot be cleaned should be disposed of like the product.

General information

Getrennt entsorgen.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

Transport/further information

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

SECTION 15: Regulatory information

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

Authorizations

No data available

Application restrictions

No data available



National regulations

Restriction of occupation

No information available.

Other regulations, restrictions and prohibition regulations

BGR 190 (rules for the use of respiratory protection)

BGR 192 (rules for the use of eye and face protection)

BGR 195 (Rules for the use of protective gloves)

Water hazard class 1 slightly hazardous to water

Technical instruction air

Class I Ziffer 5.2.1 Anteil

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Training advice

no

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.3