



Date of establishment: Safety data sheet/ EG-Sicherheitsdatenblatt
27/02/03
Revision date:

Product/ Product group: **Conloc Silicon glue 713**

1.1 Substance/Preparation and Company Name

Conloc SK 713, Component A

1.2 Information on the product

Product consists of a triple box of component A, component B and primer (2-K silicon glue).

1.3 Information on manufacturer/Supplier

Supplier: **Tiffany Glaskunst GmbH**
Street: **Helleforthstr. 18-20**
UIP Code/town: **D-33758 Schloß Holte Stukenbrock**
Tel.: **+49 5207 91280**
Fax.: **+49 5207 912840**
e-mail: **tgk@tgk.de**
Internet: **http://www.tgk.de**

Telephone number in emergency cases: 05207-9128-0

2. **Composition/Information on Ingredients :**

Chemical characteristics:

Polydimethylsiloxane with functional groups and auxiliary agents for additive cross-linkage.

Dangerous ingredients:

None.

3. **Possible hazards:**

Hazard designation:

Information pertaining to particular dangers for men and environment:

Classification system:

4. **First Aid Measures:**

Inhalation:

No special measures necessary.

Eye contact:

Rinse immediately for 10-15 min. with plenty of water and seek medical attention.

Skin contact:

Remove with cloth or paper mechanically. Wash off with water and soap.

Ingestion:

Induce vomiting.

Information for doctor:

5. Fire fighting measures:

Appropriate extinguishing media:

Water jet, extinguishing powder, sand, foam, carbon dioxide.

Unadequate extinguishing media for safety reasons:

No data available.

Special hazards caused by the material, its combustion products or flue gases:

No data available.

Special protection equipment for fire fighting:

No data available.

6. Accidental release measures:

Personal precaution measures:

No data available.

Environmental protection measures:

Adhere to local official regulations.

Measures for cleaning up/collecting;

Take up mechanically and dispose of according to official regulations. Take up with liquid-binding material, e.g. kieselguhr and dispose of according to official regulations.

7. Handling and storage:

Handling:

Information for secure handling:

Spilled substance causes increased slipping danger.

Information on protection against fire and explosion:

Undertake measures against electrostatic charging.

Storage:

Requirements for storage rooms and containers:

Keep containers firmly locked.

Goods in original packing have a shelf life of one year if stored at a cool and dry place.

8. Expose controls and personal protection:

General protective and hygiene measures:

Do not eat, drink or smoke at work.

Protection of hands:

Not necessary.

Eye protection:

Not necessary.

Protection of eyes:

Not necessary.

9. **Physical and chemical properties:**

▪ Form:	Liquid
▪ Colour:	colourless
▪ Odour:	odourless
▪ Boiling point/Boiling range (in °C):	not applicable
▪ Melting/Melting range (in °C):	no data available.
▪ Flash point:	> 200° C
▪ Solubility in water:	insoluble
▪ Explosion danger:	none
▪ Density (at 20°C):	1,03 g/cm ³
▪ Steam pressure (at 20° C):	no data available
▪ Viscosity :	4000 – 7000 mPas
▪ pH value:	ca. 7
▪ Ignition temperature:	> 450° C
▪ Thermic decomposition:	> 200° C

10. **Stability and reactivity:**

Conditions to avoid/thermic decomposition:

No dangerous reactions known in case of appropriate storage and handling

Products to avoid:

Dangerous decomposition products

None known in case of appropriate storage and handling. In case of temperatures above 150° C, small quantities of formaldehyde can be split off.

11. **Toxicological information:**

Acute toxicity:

Skin:

Eyes:

Sensitization:

Additional toxicological information:

According to present state of knowledge physiologically well tolerated, neither mutagen, cancerogen nor teratogen.

12. **Ecological information:**

Information on elimination (persistence and degradability):

Biologically not degradable. Easily separable from water by filtration.

Ecotoxic effects:

According to past experiences of the manufacturer, a fish toxicity and a disadvantageous effect in water treatment plant is not to be expected.

Additional ecological information:

Insoluble in water in vulcanised state.

13. **Disposal considerations:**

For the material/residues

Recommendation:

Disposal according to official regulations by incineration in a special incineration plant. Smaller quantities can be disposed of in a household garbage incineration plant. Adhere to possible official regulations. After hardening disposal together with household garbage is possible if necessary.

EAK-Code No.

57202

For contaminated packing:

Dispose of packings without residues according to official regulations.

14. Transport information:

Not dangerous for transport according to official regulations.

15. Regulatory information:

Designation according to EC guidelines:

Not applicable.

Classification according to VbF:

Water hazard class:

1 (self-assessment of manufacturer)

16. Additional Information:

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.



Date of establishment: Safety data sheet/ EG-Sicherheitsdatenblatt
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Revision date:

Product/ Product group: **Conloc Silicon glue 713**

1.1 Substance/Preparation and Company Name

Conloc SK 713, Component B

1.2 Information on the product

Product consists of a triple box of component A, component B and primer (2-K silicon glue).

1.3 Information on manufacturer/Supplier

Supplier: **Tiffany Glaskunst GmbH**
Street: **Helleforthstr. 18-20**
UIP Code/town: **D-33758 Schloß Holte Stukenbrock**
Tel.: **+49 5207 91280**
Fax.: **+49 5207 912840**
e-mail: **tgk@tgk.de**
Internet: **http://www.tgk.de**

Telephone number in emergency cases: 05207-9128-0

2. **Composition/Information on Ingredients :**

Chemical characteristics:

Polydimethylsiloxane with functional groups and auxiliary agents for additive cross-linkage.

Dangerous ingredients:

None.

3. **Possible hazards:**

Hazard designation:

Information pertaining to particular dangers for men and environment:

Classification system:

4. **First Aid Measures:**

Inhalation:

No special measures necessary.

Eye contact:

Rinse immediately for 10-15 min. with plenty of water and seek medical attention.

Skin contact:

Remove with cloth or paper mechanically. Wash off with water and soap.

Ingestion:

Induce vomiting. Seek medical attention and name substance.

Information for doctor:

5. Fire fighting measures:

Appropriate extinguishing media:

Extinguishing powder, sand, alcohol-resistant foam, carbon dioxide.

Unadequate extinguishing media for safety reasons:

Water, halone.

Special hazards caused by the material, its combustion products or flue gases:

Carbon monoxide, carbon dioxide, silicone dioxide.

Special protection equipment for fire fighting:

No data available.

6. Accidental release measures:

Personal precaution measures:

No data available.

Environmental protection measures:

Adhere to local official regulations.

Measures for cleaning up/collecting;

Take up mechanically and dispose of according to official regulations. Take up with liquid-binding material, e.g. kieselguhr and dispose of according to official regulations. Do not rinse away with water.

7. Handling and storage:

Handling:

Information for secure handling:

Provide for good room and working place ventilation. Spilled substance causes increased slipping danger. Keep away from incompatible substances according to section 10.

Information on protection against fire and explosion:

Product can split off nitrogen. In partly emptied containers generation of explosive mixtures is possible.

Storage:

Requirements for storage rooms and containers:

Keep containers firmly locked. Keep away from moisture. Do not store above 20° C.

Goods in original packing have a shelf life of one year if stored at a cool and dry place.

8. Expose controls and personal protection:

General protective and hygiene measures:

Do not eat, drink or smoke at work. Do not inhale fumes.

Protection of hands:

Not necessary.

Eye protection:

Not necessary.

Protection of eyes:

Protection goggles recommended.

9. **Chemical properties:**

▪ Form:	Liquid
▪ Colour:	colourless
▪ Odour:	odourless
▪ Boiling point/Boiling range (in °C):	not applicable
▪ Melting/Melting range (in °C):	no data available.
▪ Flash point:	> 200° C
▪ Solubility in water:	insoluble
▪ Explosion danger:	none
▪ Density (at 20°C):	0,96 g/cm ³
▪ Steam pressure (at 20° C):	no data available
▪ Viscosity :	20-40 mPas
▪ pH value:	none
▪ Ignition temperature:	> 450° C
▪ Thermic decomposition:	> 200° C

10. **Stability and reactivity:**

Conditions to avoid/thermic decomposition:

No dangerous reactions known in case of appropriate storage and handling

Products to avoid:

Reacts with alkalines, amines, strong acids, oxidating agents generating nitrogen.

Dangerous decomposition products

None known in case of appropriate storage and handling. In case of temperatures above 150° C, small quantities of formaldehyde can be split off.

11. **Toxicological information:**

Acute toxicity:

Skin:

Eyes:

Sensitization:

Additional toxicological information:

According to present state of knowledge physiologically well tolerated, neither mutagen, cancerogen nor teratogen.

12. **Ecological information:**

General notes:

Information on elimination (persistency and degradability):

Biologically not degradable. Easily separable from water by filtration.

Ecotoxic effects:

According to past experiences of the manufacturer a fish toxicity and a disadvantageous effect in water treatment plant is not to be expected.

Additional ecological information:

Insoluble in water in vulcanised state.

13. **Disposal considerations:**

For the material/residues

Recommendation:

Disposal according to official regulations by incineration in a special incineration plant. Smaller quantities can be disposed of in a household garbage incineration plant. Adhere to possible official regulations. After hardening disposal together with household garbage is possible if necessary.

EAK-Code No.

080406

For contaminated packing:

Dispose of packings without residues according to official regulations.

14. Transport information:

Not dangerous for transport according to official regulations.

15. Regulatory information:

Designation according to EC guidelines:

Not applicable.

Classification according to VbF:

Water hazard class:

1 (VwVwS (Germany dd 17th May, 1999, annex 2

16. Additional Information:

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.



Date of establishment: Safety data sheet/ EG-Sicherheitsdatenblatt
27/02/03
Revision date:

Product/ Product group: **Conloc silicon glue 713 Primer**

1.1 Substance/Preparation and Company Name

Conloc SK 713, primer

1.2 Information on the product

Product consists of a triple box of component A, component B and primer (2-K silicon glue).

1.3 Information on manufacturer/Supplier

Supplier: **Tiffany Glaskunst GmbH**
Street: **Helleforthstr. 18-20**
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e-mail: **tgk@tgk.de**
Internet: **http://www.tgk.de**

Telephone number in emergency cases: 05207-9128-0

2. Composition/Information on Ingredients :

Chemical characteristics:

Silanes and siloxanes mit functional groups and auxiliary agents in dissolvants.

Dangerous ingredients:

CAS-No.	Designation according to EC guideline	Portion	Symbol	R-phrases
005593-70-4	Tetra(n-butyl)titanate	<10%	Xi	10 – 36
000078-10-4	Tetraethylsilicate	< 5%	Xn	10 – 20 – 36/37
000108-88-3	Toluol	< 5%	F Xn	11 - 20
	C7 – C10 Isoalcane	> 50%	F	11

3. Possible hazards:

Hazard designation:

R 11 – easily inflammable

4. First aid measures:

Inhalation:

Fresh air, let affected rest, in case of breathing stop, artificial respiration, Seek medical attention and name substance precisely.

Eye contact:

Rinse immediately for 10-15 min. with plenty of water and seek medical attention.

Skin contact:

Wash with plenty of water/soap, remove contaminated clothing, seek medical attention, name substance precisely.

Ingestion:

Seek medical attention, name product precisely, do not induce vomiting (danger of aspiration).

5. Fire fighting measures:

Appropriate extinguishing media:

Extinguishing powder, alcohol-resistant foam, carbon dioxide.

Unadequate extinguishing media for safety reasons:

Water.

Special hazards caused by the material, its combustion products or flue gases:

No data available.

Special protection equipment for fire fighting:

Use independant respiratory equipment.

6. Accidental release measures:

Personal precaution measures:

Keep unprotected persons away. Wear protection equipment (gas mask filter A).

Environmental protection measures:

Adhere to local official regulations.

Measures for cleaning up/collecting;

Take up mechanically with liquid-binding material and dispose of according to official regulations.

Additional information:

Remove sources of ignition.

7. Handling and storage:

Handling:

Information for secure handling:

Provide for good room and working place ventilation. Cool containers in danger zone with water. Explosive mixtures can be generated in case of air contact, also in empty, uncleaned containers.

Storage:

Requirements for storage rooms and containers:

Protect against moisture. Keep container firmly locked. Store at cool and ventilated place.

Class according to regulation on inflammable liquids:

No data available.

Information on storage together with other substances:

No data available.

8. Exposure controls and personal protection:

General hygiene measures:

Do not eat, drink or smoke at work. Do not inhale fumes.

Ingredients with limit values on working place that have to be controlled:

CAS-No.	Designation of substance	Method	Value	Unity
000108-88-3	Toluol	MAK BAT	380 1,7	mg/m ³ mg/m ³
000078-10-4	Tetraethylsilicate	MAK	170	mg/m ³
000071-36-3	1-Butanol	MAK	300	mg/m ³

Breathing equipment:

Gas mask filter A in case of long-term or strong exposure.

Protection of hands:

Rubber protection gloves.

Eye protection:

Protection goggles.

Body protection:

No data available.

9. Chemical properties:

- **Form:** liquid
- **Colour:** colourless
- **Odour:** weak
- **Boiling point/Boiling range (in °C):** 116-142° C (1012 hPa)
- **Melting/Melting range (in °C):** no data available
- **Flash point:** 9° C (DIN 51755)
- **Ignition temperature:** 420° C (DIN 51794)
- **Solubility in water:** insoluble
- **Explosion limit:**
 - Upper limit: 7 Vol. %
 - Lower limit: 0,9 Vol. %
- **Density (at 20°C):** 0,756 g/cm³
- **Steam pressure (at 20° C):** 8 hPa
- **Viscosity dynamic (at 20° C):** 50 mPas
- **pH value:** 7

10. Stability and reactivity:

Conditions to avoid/thermic decomposition:

No dangerous reactions known in case of appropriate storage and handling.

Products to avoid:

Dangerous decomposition products

The following applies to the portion of silicone in the substance: measures above temperatures of 150° C have come to the result that low quantities of formaldehyde are split off due to oxidative decomposition, by air moisture: alcohols.

11. Toxicological information:

Acute toxicity:

No data available.

Additional toxicological information:

Organic dissolvants:

Has a low irritating effect on skin and mucous membranes, removes grease from the skin, narcotic. In case of direct contact with lung fabrics (e.g. by aspiration) danger of pneumonia.

Toluol irritates mucous membranes, weak skin irritation, removes the grease from the skin, narcotic.

Practical experiences:

Description of effects on humans:

In case of direct contact with lung fabric, danger of pneumonia. Defects of kidneys and marrow were described.

12. Ecological information:

Ecotoxic effects:

Do not let pass greater quantities in water treatment plants.

Additional ecological information:

Do not let pass into waters or sewage.

13. Disposal considerations:

For the material/residues

Recommendation:

Disposal according to regulations by incineration in special treatment plant. Smaller quantities can be disposed of in a household garbage incineration plant. Adhere to local official regulations.

EAK-Code No.

55370.

For contaminated packing:

Empty packing of all residues. Adhering to official regulations pass preferably to a recycling system.

14. Transport information:

Dangerous good according to transport regulations.

Road transport

ADR/RID/GGVS/GGVE-class:	3
Number/letter:	3b
Danger sign	
Danger no.:	33
Substance no.:	1993
Designation of substance:	contains aliphatic hydrocarbons
Accident sheet WCH:	340
Shipping symbols:	**TL: inflammable liquid
Express:	up to 6 liters per shipping piece
Mail Germany:	250ml per container/500ml per shipping piece

Inland shipping

ADN/ADNR-class:	No data available
Number/letter	
Substance no.:	
Category:	
Designation of the good:	
Notes:	

Sea transport

IMDG/GGVSea-class:	3.2
UN-No.:	1993
Packing group:	II
EmS-No.:	3-07

MFAG-sign: 310
Marine pollutant: no
Proper technical name: contains aliphatic hydrocarbons
Proper shipping name: inflammable liquids, n.o.s.
Shipping symbols: **TL: inflammable liquids/3
Page: 3230
Notes:

Air transport:

ICAO/IATA-class: 3
UN/ID-No.: 1993
Packing group: II
Proper technical name: contains aliphatic hydrocarbons
Proper shipping name: inflammable liquids, n.o.s.
Shipping symbols:
HL: **Double arrows
TL: **inflammable liquids / 3
Packing regulations
PAC: 305 Max. net: 5l
CAO : 307 Max. net : 60l
Notes: Airmail prohibited

15. Regulatory information:

Designation according to EC guidelines:

Code letter and hazard designation of the product:

F – easily inflammable
XI- irritating
Xn

Risk phrases:

R 11 easily inflammable

Safety phrases:

S 7/9 Store container firmly locked at cool place.
S 16 Keep away from sources of ignition – do not smoke
S 29 Do not let pass into canalisation
S 33 Take measures against electrostatic charging
S 43 Do not use water for fire extinguishing.

National regulations:

Notes on employment limitations: Adhere to employment limitations for youths.

Classification according to VbF:

AI

Information on reproduction toxicity according to TRGS 500:

CAS-Nr.: 000108-88-3 Toluol. F : B

Water hazard class:

1 (self-assessment of manufacturer)

16. Additional Information:

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