



Safety data sheet/ EG-Sicherheitsdatenblatt
Date of establishment: 09/01/03
Revision date:

Product/ Product group: **Hardener OG 313**

1.1 Substance/Preparation and Company Name

1.2 Information on the product

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:

Colloidal silicondioxide

Designation	CAS-No.	EINECS-No.	Weight %
Amorph silicon dioxide	7631-86-9	231-545-4	15-50

3. Possible hazards:

Can cause irritation of eyes/skin.

4. First Aid Measures:

Inhalation of spray mists:

Plenty of fresh air, seek medical attention.

Eye contact:

Rinse with plenty of water with opened palpebral fissure and seek medical attention if irritation persists.

Skin contact:

Wash thoroughly with water, remove contaminated, soaked clothing immediately.

Ingestion:

Drink plenty of liquid (no juices), seek medical attention.

General information:

Wear appropriate protection gloves and protection goggles/face protection.

5. Fire fighting measures:

Appropriate extinguishing media:

All, fight environmental fire.

Unadequate extinguishing media for safety reasons:

None.

Special hazards by the material or the composition, its combustion products or generated gases:

None.

Special protection equipment for fire fighting:

None.

6. Accidental release measures:

Personal precaution measures:

Wear personal protection clothing.

Environmental protection measures:

No special environmental protection measures necessary.

Measures for cleaning up/absorbing

Dam up, take up with inert absorbing agent, wash residues with water away.

7. Handling and storage:

Handling:

Information for secure handling:

Avoid formation of respirable particles.

Storage:

Requirements for storage rooms and containers:

Store firmly locked, use only authorised (original) containers, store away from frost.

Information on storage together with other substances:

No limitations.

8. Expose controls and personal protection:

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

CAS-No.	Designation	%	Max. concentration on working place	Value	Unity
7631-86-9	Silicon dioxide Pregnancy Group C	15-50	MAK	0,15	Mg/m ³

Personal protection equipment:

Avoid inhaling of spray mists or dust, wear appropriate protection goggles and rubber gloves. Avoid contact with skin, eyes and clothes, wash hands before breaks and at end of work.

9. Physical and chemical properties:

▪ **Aggregate state:**

liquid

▪ **Colour:**

opaque

▪ **Odour:**

odourless

- **pH-value:** 5,0 – 10,1
- **Boiling point/Boiling range (in °C):** ca. 100° C
- **Melting/Melting range (in °C):** - 0° C
- **Flaming point:** not combustible
- **Specific gravity at 20°C:** ca. 1,1 – 1,4
- **Solubility in water:** completely mixable
- **Explosion danger:** none
- **Vapour pressure:** at 25° C: 32,0 hPa
At 38° C: 64 hPa

10. Stability and reactivity:

Conditions to avoid/thermic decomposition:
None

Products to avoid:
None

Dangerous decomposition products
None

11. Toxicological information:

Acute toxicity:
Amorph silicon oxide
LD 50/oral/rat: 3160 mg/kg; RTECS, 77717
Can cause irritations of eyes/skin.
Excessive exposition can cause following health damages:

Skin:
Irritation, discomfort, rash.

Eyes:
Irritation, discomfort, excessive tear flow, blurred vision

Inhalation (respirable particles):
Irritation, discomfort, coughing, difficulty of breathing

12. Ecological information:

No water hazard
(self-assessment based on the administrative guideline for substances with water hazard
(VwVwS) dd. 17.05. 1999,B-Anz dd. 29.05.1999, No. 98a)

General information:

13. Disposal considerations:

For the material/residues
Recommendation:

Can be burnt adhering to the local official guidelines, can be disposed of after hardening
adhering to the local official guidelines

EAK-Code No.
08 04 03 Waste form glues and sealing materials mixable with water.

For contaminated packing:
Bring empty containers to local recycling or waste disposal systems.

14. Transport information:

Not dangerous for transport according to transport regulations.

15. Regulatory information:

The product has not to be marked according to Annex II, No. 1 GefStoffV.

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.