



## Safety data sheet/ EG-Sicherheitsdatenblatt

Date of establishment: 24/11/02  
Revision date:

Product/ Product group: **Natron water glass**

### 1.1 Substance/Preparation and Company Name

### 1.2 Information on the product

#### 1.2 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::

CAS-No.	Designation %
1344-09-8	Natron water glass

#### Additional information:

Information on ingredients according to 91/155/EWG: < 40% Natrium silicate

### 3. Possible hazards:

none

#### Additional information:

The product is alkaline..

### 4. First aid measures:

#### Inhalation:

In case of inhalation of mist spray, please consult doctor.

#### Eye contact:

Rinse eyes keeping palpebral fissure opened for several minutes under running water and consult doctor.

#### Skin contact:

Wash thoroughly under running water and soap, remove contaminated clothing immediately. In case of skin contact (reddening, etc.) consult doctor and care for your skin.

#### Ingestion:

Drink a lot of water, consult doctor immediately. Avoid vomiting. Show safety data sheet.

**Necessary special measures for first aid:**

No data available.

**5. Fire fighting measures:**

**Appropriate extinguishing media:**

Adapt extinguishing media to environmental fire.

**Unadequate extinguishing media for safety reasons:**

Full water jet..

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

The product is not combustible.

**Special protection equipment for fire fighting:**

Refer to the usual precaution measures for fire fighting measures.

**6. Accidental release measures:**

**Personal precaution measures:**

Avoid eye and skin contact.

**Environmental protection measures:**

Dam up in case of release of greater amounts.

Avoid contamination of ground and surface water, soil and canalisation.

**Measures for cleaning up/absorbing:**

Absorb with liquid absorbing material (sand, kieselgur, acid binder, universal binding media, sawdust).

**7. Handling and storage:**

**Handling:**

**Information for secure handling:**

Open and handle container with care.

**Storage:**

**Requirements for storage rooms and containers:**

Keep container firmly locked.

Use only authorised steel and plastic containers.

Avoid freezing.

**8. Exposure controls and personal protection:**

**Additional information on design of technical plants:**

No additional information, refer to section 7.

**Ingredients with value limits on working place which have to be controlled:**

None

**Respiratory protection:**

In case of formation of mist, use respiratory protection mask.

**Hand protection:**

Use appropriate protection gloves.

**Eye protection:**

Tightly fitting protection glasses with side shields.

**Body protection:**

Protective working clothing.

**9. Physical and chemical properties:**

- |   |                              |
|---|------------------------------|
| ▪ <b>Aggregate state:</b>                     | Liquid                       |
| ▪ <b>Colour:</b>                              | Colourless                   |
| ▪ <b>Odour:</b>                               | Odourless                    |
| ▪ <b>pH-value:</b>                            | no data available            |
| ▪ <b>pH-Wert 1%:</b>                          | no data available            |
| ▪ <b>Boiling point/Boiling range (in °C):</b> | not specified                |
| ▪ <b>Boiling point/Melting range (in °C):</b> | not specified                |
| ▪ <b>Flaming point:</b>                       | not applicable               |
| ▪ <b>Specific gravity at 20°C:</b>            | 1,35 g/cm <sup>3</sup>       |
| ▪ <b>Solubility in water:</b>                 | at 20°C unllimited           |
| ▪ <b>Explosion danger:</b>                    | the product is not explosive |

**10. Stability and Reactivity:**

**Conditions to avoid/thermic decomposition:**

Refer to section 7.

Avoid freezing.

No decomposition in case of appropriate utilisation.

**Products to avoid:**

Reaction with acids: Generation of warmth

Reaction with metals: (e.g.: Al, Zn) Generation of warmth and hydrogen.

**Dangerous decompositon products**

Generation of hydrogen in case of reaction with metals.

**11. Information on Toxicology:**

**Primary irritating effects:**

**Skin:**

None

**Sensibilisation:**

No sensibilising effects known.

**Additional toxicological information:**

According to manufacturer's and our datas and to toxicological evaluation the product is not classified as dangerous for the health, but under certain conditions, it can irritate the skin, mucous membranes and eyes.

**12. Information on ecology:**

**Information to elimination (persistence and biodegradability):**

No data available

**Additional information:**

**Biodegradability:** Not applicable, anorganic product.

**Additional information:**

In case of ipassing of acid or alcaline products in sewage purification plants it has to be paid attention that the sewage doesn't exceed resp. remains under a pH value of 6-10, because in case of pH shifts there can be generated disturbances in sewage canals and biological sewage purification plants. On a superior level, the regional guidelines apply.

**General information:**

Water hazard class 1 (Self assessment): Weak water hazard.  
Don't let it pass undilutedly into ground water, seas or canalisation.

**13. Information on waste disposal:**

**For the material/residues**

**Recommendation:**

The product has to be specially treated (neutralisation) in accordance with the responsible Authorities.

**Waste no.:**

The waste numbers have not only referred to the product but essentially to the utilisation since 1<sup>st</sup> January, 1999. The applicable waste number has to be taken from the European Waste Catalogue,

**For contaminated packing:**

Disposal according to the regional applicable regulations.

**14. Information on Transport:**

**General information:**

The product is no dangerous good as defined by the regulation for dangerous goods.

UN-No.:	not applicable	
Road/Rail transport (GGVS/ADR/GGVE/RID)		
GGVS/ADR	not applicable	(class/number)
GGVE/RID	not applicable	(class/number)

**Transport by sea ships:**

GGVSee/MDG-Code	not applicable
EmS-No.:	not applicable
MFAG-No.:	not applicable
Marine Pollutant:	not applicable

**Transport by aeroplanes**

**ICAO/IATA-DGR:** not applicable

**15. Regulations:**

**Marking dangerous good V0 incl. EC-guidelines  
(67/548/EWG and 88/379/EWG)**

Symbol:	none
<b>Hazard marking:</b>	
R-Phrases	--
S-Phrases:	--
Additions:	not applicable
VbF	not applicable
Utilisation limits/transportation limits as to §§ 15, 15a-e Gef.Stoff-V:	not applicable

**Information:**

The product is classified and marked according to EC guidelines/GefStoffV  
The product is not classified as dangerous according to the guidelines.

**Water hazard class:**

WGK 1 (Self assessment of the manufacturer): Weak water hazard (according to KBwS of 17<sup>th</sup> May, 1999)

**16. Additional Information:**

This information refers to the product in the state as delivered.

Storage class according to VCI:	No datas available
Reprocessed products:	not applicable

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.