

Safety data sheet

Waterglass Component A

1. Product/Preparation and Company Identification

Information on the product

Commercial product name: epros Resin, Comp. A (Hardener)

Manufacturer/supplier: epros GmbH
Dr.-Alfred-Herrhausen-Allee 20d
47228 Duisburg
Tel: +49 (0) 2065-999-0
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2. Composition/Information on Ingredients

Chemical identification:

<u>CAS No.</u>	<u>Description</u>
1344-09-8	Silicic acid, sodium salt >10% sodium silicate

Identification number (n)

EINECS No.: 215-687-4

3. Potential Hazards

Hazard description: Xi – irritating

Specific hazards for man and environment:

R 38 Irritating to skin

R 41 Danger of serious eye injury.

4. First Aid Measures

General advice:

Take off immediately all contaminated clothing.

Inhalation: Remove to fresh air; if effects occur, obtain medical attention.

Skin contact:

Wash off immediately with soap and water and rinse well.

Eye contact:

Rinse with running water for several minutes while keeping eyes wide open and obtain medical attention.

Ingestion:

Rinse mouth and then drink much water.

Do not induce vomiting, obtain medical aid immediately.

5. Fire fighting measures

Suitable extinguishing media: Adjust firefighting measures to the environment.

Special protective equipment for firefighters: no special measures required.

Further information: Cool exposed tanks/containers with water sprays.

6. Accidental Release Measures

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Personal precautions:

Wear protective equipment. Keep away persons not wearing appropriate protective equipment.

Environmental precautions:

Prevent penetration into sewers or waters.

In case of penetration into waters or sewers, inform the competent authorities.

In case of penetration into the subsoil, inform the competent authorities.

Cleaning/take-up method:

Take up with a liquid-absorbing material (sand, diatomaceous earth, acid binders, universal binders).

Dispose of contaminated material as waste according to Section 13.

7. Handling & Storage

Information on safe handling:

Keep containers tightly closed.

Open and handle containers carefully.

Information on fire & explosion hazards:

The product is not flammable.

No specific measures required.

Storage room and container requirements:

Keep only in original containers.

Never use light-metal receptacles.

Provide a caustic-proof floor.

Information on storage together with: not required

Other information on storage conditions: Protect from frost.

8. Exposure Controls & Personal Protective Equipment

Additional information on the design of technical plants:

no other information, see item 7

Ingredients requiring occupational exposure limits to be controlled:

<u>CAS No.</u>	<u>Product Description</u>	<u>%</u>	<u>Type</u>	<u>Value</u>	<u>Unit</u>
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The product contains no significant quantities of substances requiring occupational exposure controls.

Additional information:

Based on the lists as applicable at the date of issue.

Personal protective equipment:

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General protection and hygiene measures:

Take off contaminated, wetted clothing immediately.

Do not inhale gases/vapours/aerosols.

Avoid contact with eyes and skin.

Keep away from food, drink and animal feeding stuffs.

Wash hands before breaks and at end of work.

Respiratory protection: Only in case of aerosol or mist formation.

Hand protection: Safety gloves.

Eye protection: Tightly closing goggles.

9. Physical & Chemical Properties

Appearance: liquid

Colour: turbid

Odour: odourless

Value / range / unit / method

Change of state:

Melting point / melting range Not determined

Boiling point / boiling range Not determined

Flash point: Not applicable

Explosion hazard: The product implies no explosion hazards.

Density (at 20°C) : 1.55 – 1.60 g/cm³

Viscosity: 300 – 1200 mPas (at 20°C)

Water solubility / miscibility: fully miscible

pH (10 g/l) at 20°C: 12.5 – 12.8

10. Stability & Reactivity

Thermal decomposition / conditions to avoid:

No decomposition when used for the intended purpose.

Hazardous reactions:

Highly exothermic reaction with acids

Hazardous decomposition products:

No hazardous decomposition products are known

11. Toxicological Information

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Acute toxicity ;

Relevant LD / LC₅₀ values:

Component	Type	Value	Species
Soda waterglass	oral	>2,000 mg/kg	rat

Primary exposure routes:

Skin: irritating to skin and mucous membranes

Eye: strong irritation involving the danger of serious eye injury

Sensitisation: No sensitising effect is known.

12. Ecological Information

Water Hazard Class 1 (self-assessment): low hazard

Prevent penetration into groundwater, surface waters or sewers.

13. Disposal Considerations

Product:

Advice:

Do not dispose of with domestic waste. Prevent penetration into the sewer.

Waste Code:

524 02

Descr.: Caustic solutions, caustic mixtures and mordants (alkaline)

Disposal information:

Chemical/physical, biological treatment plant

Uncleaned packages:

Advice: Dispose of in compliance with official regulations

14. Transport Information

Transport / other information: no hazardous material under above regulations

15. Regulatory Information

Identification of the product according to European directives:

The product is classified and identified according to EU directives/HazMat regulations.

Symbol and hazard description of the product: Xi – irritating

R-phrases:

- 38 Irritating to skin
- 41 Danger of serious eye injury

S-phrases:

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- 37/39 Wear suitable protective gloves and safety goggles/face shield during work
26 In case of contact with eyes, rinse with water and seek medical advice.
28 In case of contact with skin, wash off immediately with plenty of water and soap.
45 In case of accident or if you feel unwell, seek medical advice immediately
(show this label where possible)

National regulations (Germany):

Classification under VbF: none
Water Hazard Class:
WGK 1 (self-assessment): low hazard.

16. Other Information

The information and data are based on the current state of our knowledge, but they constitute no warranted product qualities and establish no legal contract relationship.

Data sheet issued by: State Institute for Hygiene, Budapest
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