

ZEOPOL® 33

Sodium silicate solution

Characteristic physico-chemical data*

| Properties and test methods | Unit | Value |
|---|-------------------|-------|
| Density 20°C | g/cm ³ | 1.378 |
| Solids | % | 37 |
| pH | | 11.0 |
| Concentration | g/l | 510 |
| Molar ratio, SiO ₂ / Na ₂ O | - | 3.3 |
| SiO ₂ | % | 28 |
| Na ₂ O | % | 9 |
| Viscosity 20°C | mPas | 150 |

*) The given data are typical values. Specifications on request.

Certifications and Classifications

ZEOPOL® 33

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|--|-----------|
| CAS-No. | 1344-09-8 |
| <ul style="list-style-type: none"> Quality excellence achieved through GMPs and ISO:9001 certifications | |

ZEOPOL® 33 Sodium Silicate is a clear sodium silicate solution with unique chemical and physical properties. Due to multifunctional properties and attractive economy, ZEOPOL® Sodium Silicate is widely used in various industrial applications such as pulp peroxide bleaching, de-inking of recycled paper and production of silica based chemicals. In bleaching with hydrogen peroxide, ZEOPOL® 33 Sodium Silicate boosts pulp brightness and decreases chemical cost by preventing unintentional decomposition of hydrogen peroxide.

Benefits

- Effective stabilizer for hydrogen peroxide
- Excellent pH buffer
- Serves as corrosion inhibitor
- Effective deactivator of harmful transition metals
- Environmentally friendly bleaching solution
- Prevents pulp alkali darkening

Safety and Handling

Information concerning the safety of this product is listed in the corresponding Safety Data Sheet, which will be sent with the first delivery or upon updating. Such information is also available from Evonik Operations, Product Safety Department, E-MAIL sds-im@evonik.com We recommend to read carefully the safety data sheet prior to the use of our product.

Packaging and storage

For details regarding our packaging options for this product, please contact your local sales representative. Please store our sodium silicate solutions at moderate temperatures in a steel or alkali stable plastic container.

Prevent from freezing. Do not store in aluminum, galvanized or other light alloy containers. Store away from acids. Keep container closed when not in use. Provide adequate ventilation when containers are open. Please keep away from incompatible metals such as aluminum, zinc, tin, or copper.

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