



# STABISOL® 300

**STABISOL® 300** is a highly adsorbent silica sol (silicic acid) for wort and beer clarification, and beer stabilisation. It accelerates particle formation and their removal to improve filterability.

It is a food grade processing aid for use in beer production for clarification and colloidal stabilisation.

## PRODUCT PROPERTIES

Chemical formula	mSiO <sub>2</sub> .nH <sub>2</sub> O
SiO <sub>2</sub> concentration	29 - 30 %
Na <sub>2</sub> O content	< 0.42 %
Density at 20 °C / 68 °F	1.2 – 1.3 g/cm <sup>3</sup>
Viscosity at 20 °C / 68 °F	< 9 mPas
Specific surface area	approx. 300 m <sup>2</sup> /g
Appearance	opalescent / turbid
Odour	none

## COMPOSITION & APPLICATION

STABISOL® 300 silica sol when added to wort or beer results in cross-linkages of the SiO<sub>2</sub> (sodium dioxide) particles to form a hydrogel. The resulting haze flocculates whereby the silicic acid of the sol converts into the insoluble silicic acid hydrogel, which subsequently sediments. STABISOL® 300 can be used as a pre-clarifier in the brewhouse for wort clarification and as a beer clarifier and stabilizer at maturation, where it is applied directly into the maturation or storage tank.

In the brewhouse to improve filterability: the recommended dosage is 30 – 60 ml/hl cast wort.

In the storage cellar for enhanced clarification: the recommended dosage is 30 – 60 ml/hl, dependent on the initial haze.  
If applying STABISOL® 300 as the only clarifier for dry hopped beer increase the dose to 100 – 250 ml/hl.

STABISOL® 300 will not affect the beer flavour, foam, or colour.

## PRODUCT SPECIFICATION

pH at 20 °C / 68 °F	approx. 10.0
Iron	< 50 ppm
Arsenic	< 1 ppm
Antimony	< 1 ppm
Lead	< 1 ppm
Copper	< 1 ppm
Zinc	< 1 ppm
Mercury	0.01 ppm
Cadmium	0.1 ppm

## ALLERGEN

Does not contain allergenic materials.



## NUTRITIONAL VALUES

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Not applicable.  
This product is a processing aid, not a food additive.

## GM STATUS

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Not applicable.  
This product is not produced by a microorganism nor is it a microorganism.

## STORAGE CONDITIONS

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It is recommended to store this product in dry, cool, dark, and odour-free conditions. Storage temperature should be 10 °C / 50 °F or above. Do not freeze.

On opening the sealed pack (bags, drums and canisters) use all the product immediately or within a maximum of 36h. During the 36h period reseal the pack and store as recommended. For larger pack sizes (IBC, BigBag) use the product within 5 days of opening; within that time store as recommended.

Use this product within the shelf-life / best before date indicated on the pack.

## SAFETY & HANDLING PRECAUTIONS

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Please refer to the Safety Data Sheet (SDS) for further information on the safe handling of this product and what to do in case of spills.  
Alternatively, contact Stabifix directly.

## CERTIFICATIONS

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Stabifix QMS is certified by TÜV SÜD.

## FOOD SAFETY

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Stabifix has in place a HACCP Plan with critical control points (CCPs) in accordance with Codex Alimentarius (Food Code) in the production of this product. Stabifix's HACCP Plan, GMP practices and additional food safety standards are controlled by its QMS in accordance with EN ISO 9001.

## PACKAGING

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This product is available in different pack types and sizes, from drum to IBC container.

Contact your Stabifix representative for more information.

## COMPLIANCE

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STABISOL® 300 is a food grade processing aid which complies with the FDA Code of Federal Regulations (21CFR170.3 and 21CFR172.480) and EU Law for Food & Foodstuffs; it is classified GRAS and is REACH and CLP compliant. All Stabifix silica-based products comply with the German Beer Purity Law (the German *Reinheitsgebot*).

Allergen, Kosher and Halal certificates are available from Stabifix.

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## CONTACT

For more information and technical support, please contact Stabifix directly or visit [www.stabifix.com](http://www.stabifix.com)