

**Beverage Stabilization**  
**SIHA® Active Bentonite G**



**SIHA Active Bentonite G fining agent from Eaton's Begerow Product Line is a special product for beverage fining and for removing positively charged albuminous substances from musts, wines, fruit juices, and vinegar.**

The specific advantages of SIHA Active Bentonite G fining agent:

- Specially formulated for albumin adsorption in beverages
- Despite the higher swelling volume a compact lees depot is formed
- Besides protein adsorption, tannins are also removed to a certain extent

**Application**

SIHA Active Bentonite G fining agent can be used alone either for stabilizing protein or in combination as a clarification aid prior to gelatin silica sol fining. Due to its high activity, lower quantities are usually required in comparison to conventional bentonites when SIHA Active Bentonite G fining agent is used.

The high clarification and adsorption effectiveness of bentonite is based on the swelling properties of the individual bentonite particles. This increases the size of the inner surface many times over. In order to achieve this effect, SIHA Active Bentonite G fining agent should be vigorously stirred into a volume of water 3 to 5 times the quantity of SIHA Active Bentonite G the granulate is completely suspended. When stirred occasionally, SIHA Active Bentonite G fining agent will swell completely within a few hours (it is best to set the batch the day before fining). Supernatant water which may arise can be poured off.

Although it is generally possible to use bentonite without pre-soaking, the quantity required will increase since it has practically no time to swell.

The soaked bentonite is added to the product to be fined stirring constantly until it is uniformly distributed in the batch. SIHA Active Bentonite G fining agent intensively and rapidly adsorbs protein and sediment while quickly clarifying the product. The resulting sediment can be regenerated without difficulty by mixing in 0.5 – 2% of BECOCEL™ 2000 filter cellulose and/or BECOLITE™ 5000 perlites using a rotary filter or a sediment frame filter

Beverage to be fined	SIHA Active Bentonite G lb/1,000 gal (g/hl)
Wines with low protein content	2.5 – 8.35 (30 – 100)
Wines with moderate protein content	6.68 – 15.02 (80 – 180)
Wines with high protein content	12.52 – 20.86 (150 – 250)
Types/vintages extremely rich in protein	29.21 (350)
Heavily oxidized wines	1.67 – 12.52 (20 – 150)
Lees-recovery and yeast wine	8.35 – 29.21 (100 – 350)
Unfermented grape juices	12.52 – 25.04 (150 – 300)
Fruit juices	2.5 – 8.35 (30 – 100)
Aroma improvement	0.42 – 1.25 (5 – 15)
Fining of vinegar	4.17 – 10.01 (50 – 120)

## Safety

When used as directed no negative effects are known.

Further safety information can be found in the relevant Material Safety Data Sheet, which can be downloaded from our website.

## Storage

SIHA Active Bentonite G fining agent is produced and packed with special care. As it is a highly efficient adsorptive agent, it will adsorb off-flavors when stored inadequately. It should therefore be stored in carefully sealed packages in a dry and well-aerated area, free of off-odors.

## Delivery Information

SIHA Active Bentonite G fining agent is sold under article no. 61.103 and is available in the following package sizes:

22.05 (10 kg)	PE bucket
44.1 (20 kg)	laminar foil sack

## Certified Quality

SIHA Active Bentonite G fining agent is monitored regularly during the production process to ensure consistently high quality. These inspections cover technical function criteria as well as compliance with the law governing the production and sale of foodstuffs. Strict controls are also carried out immediately before and during final packing.

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