

Fine Clarifier BECOSOL™ 30

Silica Sol

BECOSOL 30 silica sol fining agent is a special silica sol for the fining of beverages. It is used in combination with gelatin or other positively charged fining agents as flocculating intensifier.

BECOSOL 30 silica sol fining agent has a very high chemical purity and contains 30% pure colloidal silicon dioxide.

Application

The beverage treatment with BEVASIL 30 silica sol fining agent and SIHA® Gelatin fining agent results in an economical and taste neutral clarification. A taste improvement is also often attained. Even in difficult cases, the clarification of the beverage is accelerated; the turbidity deposit becomes more compact, and beverage losses, filtration time, and the use of filtering agents are reduced.

Area of application and quantities

Standard application

64 fl oz/1,000 gal (50 ml/hl) BECOSOL 30
+ 6.68 lb/1,000 gal (5 g/hl) Gelatin Fine Granules

or

64 fl oz/1,000 gal (50 ml/hl) BECOSOL 30
+ 64 fl oz/1,000 gal (50 ml/hl) SIHA Gelatin Liquid

Fining process

BECOSOL 30 silica sol fining agent and SIHA Gelatin fining agent must be added separately and upon each addition be thoroughly mixed. Neither of these fining agents may ever be added in succession without prior mixing to the beverage to be fined. Before adding the fining agent the contents of the batch should be intensively stirred by means of an effective motor mixer.

A substantially better mixture is given by adding the fining agent continually in the liquid stream when transposing the beverage i.e. with a fining agent application device. Prior to dissolving of the fining agent with water or the beverage is recommended to improve distribution.

Application	BECOSOL 30 fl oz/100 gal (ml/hl)	Gelatin Fine Granules lb/1,000 gal (g/hl)	SIHA Gelatin Liquid fl oz/100 gal (ml/hl)
Wine clarification	3.84 – 7.68 (30 – 60)	0.13 – 0.42 (1.5 – 5.0)	3.2 – 6.4 (25 – 50)
Wines which are difficult to clarify	6.4 – 12.8 (50 – 100)	0.42 – 0.83 (5.0 – 10.0)	6.4 – 12.8 (50 – 100)
Apple juice, products which are difficult to clarify	6.4 – 12.8 (50 – 100)	0.83 (10) and more	6.4 – 12.8 (50 – 100)
Beverages of high tannin content used in conjunction with bentonite	6.4 (50)	0.42 – 0.83 (5.0 – 10.0)	6.4 (50)
Musts, vinegar, beverages which are difficult to clarify	12.8 (100)	0.21 – 0.42 (2.5 – 5.0)	12.8 (100)

SIHA Gelatin Liquid fining agent may be directly added to the beverage. Here again prior to dissolving with water or the beverage is recommended for better distribution. SIHA Gelatin Fine Granules fining agent must always swell in cold water first and be dissolved at a temperature of 104 – 122 °F (40 – 50 °C). Please observe the notes in our Technical Information to SIHA Gelatin fining agent.

Product Characteristics

BECOSOL 30 silica sol fining agent is a transparent, slightly opalescent solution of silicic acid in water and contains 30% silicon dioxide (SiO₂).



Safety

When used properly 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

BECOSOL 30 silica sol fining agent is produced and packed with utmost care and is stored in scentless polyethylene packing drums until delivery. Opened packages should be used up as soon as possible.

BECOSOL 30 silica sol is sensitive to frost. Do not store under 41 °F (5 °C).

Even a brief lowering of the temperature under 41 °F (5 °C) will lead to flocculation of the silica sol and it will become ineffective.

Delivery Information

BECOSOL 30 silica sol fining agent is sold under article no. 62.110 and is supplied in the following package sizes:

551.15 lb (250 kg) PE drum
2645.5 lb (1200 kg) IBC container on request

Certified Quality

The product is monitored regularly in the laboratory to ensure consistently high quality.

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