

## Beverage Stabilization

### SIHA® SulfoLiq A40

SIHA SulfoLiq A40 Stabilizer agent is an aqueous ammonium hydrogensulfite solution used for sulfuring grapes, mash/must and young wine to suppress microorganisms and protect against oxidation.

Specific advantages of SIHA SulfoLiq A40 stabilizer:

- Almost odourless
- Significantly lower risk potential versus gaseous SO<sub>2</sub>
- Easy handling and dosage due to liquid formulation
- Low application dosage by high SO<sub>2</sub> concentration of 40%
- Exact dosing possible

#### Application

SIHA SulfoLiq A40 stabilizer contains 3.34 lb/gal (400 g/l) of SO<sub>2</sub> / 0.94 lb/gal (113 g/L) Ammonium and can be used for sulfuring grapes, mash/must and young wine.

According to regulation EC 606/2009 (as amended) SIHA SulfoLiq A40 stabilizer is approved for conventional products. **Usage in organic wine production is not allowed.**

The required quantity of SIHA SulfoLiq A40 must be measured precisely with a suitable measuring cylinder and can then be added to the tank.

**Ensure good distribution in the product.**

#### Dosage

SIHA SulfoLiq A40 stabilizer contains 3.34 lb/gal (400 g/l) of SO<sub>2</sub> / 0.94 lb/gal (113 g/L) Ammonium .

The following table describes the ratio of the required SO<sub>2</sub> quantity and the SIHA SulfoLiq A40 dosage.

Required SO <sub>2</sub> addition to grapes/mash/must/ young wine	△ Ammonium addition	△ Dosage SIHA SulfoLiq A40
oz/1,000 gal (mg/l)	oz/1,000 gal (mg/l)	fl oz/1,000 gal (ml/100 l)
1.34 (10)	0.37 (2,8)	3.2 (2,5)
2.67 (20)	0.75 (5,6)	6.4 (5,0)
4.01 (30)	1.12 (8,4)	9.6 (7,5)
5.34 (40)	1.50 (11,2)	12.8 (10,0)
6.68 (50)	1.87 (14,0)	16.00 (12,5)
8.01 (60)	2.24 (16,8)	19.2 (15,0)
9.35 (70)	2.62 (19,6)	22.4 (17,5)
10.68 (80)	2.99 (22,4)	25.6 (20,0)
12.02 (90)	3.36 (25,2)	28.8 (22,5)
13.35 (100)	3.74 (28,0)	32.0 (25,0)

Sulfuring of grapes/mash/must:

- According to grape degree

Sulfuring of young wine:

- Based on prior laboratory analysis and the desired SO<sub>2</sub> content.

The amount of SIHA SulfoLiq A40 stabilizer dosage may vary slightly due to fluctuations in the concentration.

**According to regulation EC 606/2009 (as amended) the maximum dosage of SIHA SulfoLiq A40 stabilizer is 40.96 fl oz/1,000 gal (32 mL/hL) – 1.67 lb/1,000 gal (20 g/hL) Ammonium salt.**

Please consider that according to regulation EC 606/2009 the maximum amount of ammonium salts (e.g. SIHA SulfoLiq K40 stabilizer and Fermentation Salt) in wine is 8.35 lb/1000 gal (100 g/hL).

If SulfoLiq A40 stabilizer is used at maximum dosage the permitted addition of e.g. Fermentation salt (Diammoniumphosphate) decreases to max. 6.68 lb/1,000 gal (80 g/hL).



## Product Characteristics

SIHA SulfoLiq A40 stabilizer is a aqueous ammonium hydrogensulfite solution with following proportion of SO<sub>2</sub> and Ammonium:

- SO<sub>2</sub>: 3.34 lb/gal (400 g/l)
- Ammonium (NH<sub>4</sub>): 0.94 lb/gal (113 g/L)

## Storage

SIHA SulfoLiq A40 stabilizer must be stored in a well-ventilated, dark, and dry place.

**To avoid crystallization and loss of SO<sub>2</sub>, SIHA SulfoLiq A40 stabilizer must be stored at temperatures above 50 °F (10°C) up to a maximum of 77 °F (25°C).**

Under these conditions, original packs can be stored for up to 18 months. Once opened, packs should be used up as soon as possible.

## 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.

## Delivery Information

SIHA SulfoLiq A40 stabilizer is sold under article no. 64.103 and is available in the following package sizes:

55.13 lb (25 kg) PE can

SIHA SulfoLiq A40 stabilizer is sold under article no. HW.020 and is available in the following package size:

2205 lb (1000 kg) IBC Container

## Certified Quality

SIHA SulfoLiq A40 stabilizer 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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