



Inspiring innovation.

BARREL STORAGE SOLUTION

Amounts **per barrel** for the storage solution:

- 180g citric acid or tartaric acid (drops the pH to around 3.0)
- 160g [WINY](#) (enough for about 400ppm SO₂)

Procedure

- Fill the barrel half full of water
- Dissolve the citric (or tartaric) acid in a gallon or so of water (warm water will help it dissolve easier)
 - Add to the barrel and mix
- Continue filling the barrel until it is about 75-80% full
- Dissolve the KMBS (WINY) in a gallon or two of water (warm water will help it dissolve easier)
 - Add to the barrel and mix thoroughly. **Use caution because the SO₂ is volatile.**
- Fill the barrel with water and mix again
- Top up into the wood and bung it
 - Use an old bung or protect it with plastic wrap. The solution will degrade a silicon bung over time.

If you are doing more than one barrel, you can dissolve all the citric at once and all the KMBS at once (**don't mix the acid and KMBS together**) and add to the barrels volumetrically.

Top with water every 2-4 weeks. When you top the barrels, add enough water to bring the liquid up into the bung hole so it overflows when you put the bung back in.

This solution is good for 6 months or so. If you need store the barrel longer, dump and refill the barrel with fresh solution.

When you are ready to use the barrel:

- Empty and rinse thoroughly with warm water
- Fill with fresh, plain water and soak overnight
- Dump and rinse thoroughly again with warm water
- Let it drain (several hours to overnight) and fill with wine
- The wine will pick up a small amount of SO₂ so you will want to check the SO₂ level after filling and before you make an SO₂ addition.

The indications supplied are based on our current knowledge and experience, but do not relieve the user from adopting the necessary safety precautions or from the responsibility of using the product(s) properly.

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Enartis USA Inc.

7795 Bell Road | Windsor, CA 95492 | Tel. +1 (707) 838 6312 | Fax +1 (707) 838 1765 | www.enartis.com