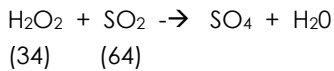




Inspiring innovation.



# SO<sub>2</sub> REMOVAL WITH H<sub>2</sub>O<sub>2</sub>



1 Part H<sub>2</sub>O<sub>2</sub> removes 2 parts SO<sub>2</sub> as Free.

H<sub>2</sub>O<sub>2</sub> removes SO<sub>2</sub> as Free. Note: It is important to add slowly in stages to reduce oxidation of wine. Equilibrium shifts Total SO<sub>2</sub> ---> Free SO<sub>2</sub>

## Calculation

To remove 50ppm Free SO<sub>2</sub> in 60 gallons (barrel):

$$(0.05\text{g/L})(3.785 \text{ L/gal})(60) = 11.36 \text{ g SO}_2$$

$$\frac{11.36}{2} = 5.68 \text{ g H}_2\text{O}_2 \text{ needed}$$

$$\frac{5.68\text{g}}{30\text{g/L}} = 0.189\text{L } 3\% \text{ H}_2\text{O}_2 \text{ needed to reduce Free SO}_2 \text{ by 50 ppm/barrel}$$

30g/L (ie, 3% = 30 g/L)

## Method

1. Determine Free SO<sub>2</sub> of wine
2. Determine level desired
3. Calculate H<sub>2</sub>O<sub>2</sub> needed to drop Free SO<sub>2</sub>
4. Add slowly, in stages to wine
5. Resample & check, repeat according to amount of Free shifted from Total

*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.*

**Revision:** April 2020

**Enartis USA Inc.**

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