



OAK RESTORER-CWF

Oak cleaner and restorer

CHARACTERISTICS

Oak Restorer-CWF (cool water formula) is a proprietary oak cleaning agent formulated on behalf of winery clients in Australia by AiRD. This buffered carbonate detergent, used with cool water, also contains bicarbonates and surfactants. Oak Restorer-CWF was formulated to remove tartrate crystals, coloring materials, protein and other organic soils. This results in restored oak surfaces which will extend the working life of barrels and staves. Oak Restorer-CWF is a single process cleaning product requiring only a water rinse. No subsequent neutralizing is required. Oak Restorer leaves your oak clean, odorless and pH neutral.

Oak Restorer-CWF contains no chlorine, phosphate or halogen based compounds. Oak Restorer-CWF is a 100% active, water soluble detergent without fillers.

RECOMMENDED DOSAGE

0.5- 2kg/100L (0.67- 2.68 oz/gallon).

Oak with no/light color stains = 0.5- 1.0kg/100L clean, potable water used.

Oak with moderate/heavy color stains = 1.0- 2.0kg/100L clean, potable water used.

DIRECTIONS FOR USE

Water- Potable or treated, clean, water is recommended.

The volume of water used is determined by the surface area which is being cleaned, the hardness of the water and the quantity of the soil present.

Water Temperature- The cleaning solution temperature range for Oak Restorer-CWF is 20-30°C

(68-86°F). Oak Restorer-CWF is soluble in cool water to ~10%.

Cleaning Cycle Timing-It is recommended to clean oak or staves when the tartrate crystals are still

damp. At this point they are still in a state of hydration, and the crystal structure is at its softest,

resulting in more efficient cleaning and less detergent used.



Dosing and Mixing Directions

Chemical Insertion (powder into water) Method

Accurately prepare the water and Oak Restorer-CWF. Fill vessel with clean, potable/treated water, steadily add the Oak Restorer-CWF into the water while mixing. Mix until a consistent solution is obtained. Initially the solution will be milky, but should clarify. Use the solution once clarified.

Oak Restorer-CWF can be used with or without specialized spray equipment.

Approximate Oak Restorer-CWF and water volumes required for cleaning:

Without Specialized Spray Equipment

This soaking method is best for barrels which are older than 2 vintages.

- Prepare aqueous solution of Oak Restorer-CWF in a portable container.
- Rinse the surface to be cleaned using warm water to remove all loose soil and drain.
- Fill barrel until full and allow to soak for a minimum of 4-6 hours.
- Drain the solution and inspect
- If clean, rinse thoroughly, and allow to drip drain for 1 hour.
- Upon inspection if soil is remaining repeat above stages.
- The cleaning solution can be re-used if the pH>8.5. It is preferable to filter prior to re-use.

Vessel Volume	Amount of Oak Restorer-CWF Required (kg) based on soil level			Amount of water required for cleaning by <u>soaking</u>
	Light (0.5% w/v)	Moderate (1% w/v)	Heavy (2% w/v)	
225L (60 gallons)	1.125kg	2.25kg	4.5kg	225L (60 gallons)
475L (125 gallons)	2.375kg	4.75kg	9.5kg	475L (125 gallons)
1000L (264 gallons)	5.0kg	10kg	20kg	1000L (264 gallons)



Water Pressure and Spray Equipment

- Oak Restorer-CWF is compatible with all pressure spray equipment.
- Prepare aqueous solution of Oak Restorer-CWF.
- Position high water pressure spray system to allow for most efficient and effective cleaning.
- Inspect after a 3 minute cycle.
- If suitably cleaned, drain the solution and rinse.
- Upon inspection if soil is still remaining repeat the previous two stages.
- Allow barrel to drip drain for 1 hour.

Vessel Volume	Amount of Oak Restorer-CWF Required (kg) based on soil level			The amount of water used for cleaning is dependant upon the equipment used. Please follow the individual manufacturers direction.
	Light (0.5% w/v)	Moderate (1% w/v)	Heavy (2% w/v)	
225L (60 gallons)	1.125kg	2.25kg	4.5kg	
475L (125 gallons)	2.375kg	4.75kg	9.5kg	
1000L (264 gallons)	5.0kg	10kg	20kg	



PRECAUTIONS

Read the MSDS before use every time and wear prescribed personal protective equipment.

PACKAGING AND STORAGE

Packaged in 5kg (LDPE) bags. Inquire about other sizes.

Store in a dry, cool place <20°C (68°F) isolated from acids and food products. Once opened use immediately.



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