

Cleaning products **SECO BRETT**

DETERGENT SPECIFICALLY DESIGNED FOR THE HYGIENE OF CONTAINERS CONTAMINATED BY *BRETTANOMYCES*

COMPOSITION

Alkaline product in powder form.

GENERAL FEATURES

SECO BRETT is a detergent specifically designed for the hygiene of tanks and barrels contaminated by *Brettanomyces*.

Contamination by *Brettanomyces* is a widespread problem in wine industry and it is the main cause of the formation of volatile phenols.

Wine containers cleaning and sanitization with a very specific product is absolutely necessary to avoid this problem and to produce wine non affected by volatile phenols.

APPLICATIONS

Cleaning of tanks, pipes, filling machines, containers and specifically wooden casks and barrels.

DOSAGE AND INSTRUCTIONS FOR USE

Application	Concentration of the solution %	Temperature of the solution °C	Contact time minutes	Notes
Tanks	1	60	10 minimum	
Pipes	1-2	40-60	10 minimum	Temperature must be appropriate for the treated material
Filling machine	1-2	40-60	20 minimum	
Wooden casks & barrels	3	room	30 minimum	

Cleaning of tanks:

- Rinse the tank with water for 5 minutes.
- Circulate the solution prepared as indicated in the above table.
- Rinse with water to waste for 5-10 minutes until no chlorine remains. Alternatively, after rinsing with water for 5 minutes, wash with a solution containing 0.1% of potassium metabisulphite for 15 minutes and then rinse again with water.

Cleaning of barrels and wooden casks:

- Rinse with water.
- Fill the container with a 3% solution of SECO BRET. Do not prepare the solution in the barrel.
- Leave the solution in contact with wood for 30 minutes.
- Empty the container. The cleaning solution can be reused 2 or 3 times within the same day. Attention: chlorine content must stay above 300 ppm.
- Rinse with water, then wash with a 0.1% potassium metabisulphite solution for 10 minutes, finally rinse again with water.

PACKAGING AND STORAGE

10 kg

Sealed package: store in a cool, dry, well-ventilated area, away from heat sources. Protect from frost.

Opened package: carefully reseal and store it as indicated above.

The product is non-flammable. For more information about the use and appropriate disposal of the washing solution, please consult the Safety Data Sheet

MAIN PHYSICAL-CHEMICAL FEATURES

Physical characteristics : powder
 Colour : white
 pH (sol.1% in H₂O distilled) : 10.9
 Active chlorine in 1% solution : 600 ppm
 Effect on materials : At the suggested concentration, it has little effect on all materials. Some discoloration may occur that is not due to corrosion, but it is due to absorption by porous material.

The above values were measured using both Official and Esseco methods. Further information not indicated here will be supplied upon request.

TITRATION OF CHLORINE CONTENT

Reagents:

- Sodium thiosulphate 0.1N
- 25% Sulphuric Acid solution
- 10% Potassium iodide solution
- 0.5% Starch solution

Method:

Measure 100 mL of SECO BRETT solution, add 10 mL of potassium iodide and acidify with sulphuric acid until the colour of the solution turns from yellow to brown. Add approximately 1 mL of starch solution. Colour will turn to blue / violet. Titrate with sodium thiosulphate 0,1N until complete discolouration.

Calculation: mL of sodium thiosulphate x 35.5 = ppm of active chlorine

