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BREW-CLEAN 101 POWDERED, ALKALINE BREWERY CLEANER

TYPICAL APPLICATIONS

BREW-CLEAN 101 is recommended for use in brew kettles, heat exchangers, mash tuns, fermenters, lines, hoses, tap lines, and all other related brewing equipment. **BREW-CLEAN 101** is also the product of choice if soft metals such as brass, copper, or aluminum are present, and caustic based cleaners will damage the system.

CONCENTRATED

BREW-CLEAN 101 is a concentrated cleaner that allows low use-solution concentrations, resulting in low-cost cleaning with optimum performance.

LOW FOAMING

BREW-CLEAN 101 incorporates low foaming surfactants. This low amount of foam aids in soil penetration during the cleaning process.

FREE RINSING

Selected surfactants and wetting agents in **BREW-CLEAN 101** provide excellent rinsing ability and rapid dissipation of foam.

SAFETY & HANDLING PROCEDURE

This is an alkaline product. Wear safety glasses/goggles and impervious gloves when handling this product and solutions thereof. Do not add **BREW-CLEAN 101** to strong oxidizing agents, such as chlorine. Read the Safety Data Sheet before handling this product.

Once put into solution, this product will liberate oxygen; solutions should be used directly after making them to ensure maximum product efficacy.

GENERAL DIRECTIONS

ROUTINE VESSEL USE:

Use **BREW-CLEAN 101** after each batch; rinse the vessel with hot water, and use 1 oz. **BREW-CLEAN 101** per gallon water at 160-180°F for 30 minutes. Pump the **BREW-CLEAN 101** use-solution through the heat exchanger, slowly restricting the outlet of the exchanger to "pack" it. After the system is full, close the valves and let it sit full of **BREW-CLEAN 101** overnight. Rinse with hot water the next day. Use **NITRO-VAP 961** or **NITRO-CIRC 963** at about 1 oz. per gallon in the kettle to remove the beer stone build-up on the steam jackets, coils, or direct fired kettles.

FERMENTERS:

If your fermenters are heavily coated with krausen, it may require a higher dose of Brew-Clean 101 during the first several cleaning cycles. For routine cleaning, use 1 oz. **BREW-CLEAN 101** per gallon water at about 160°F for 30 minutes, drain and rinse. Then, use 1 oz. **NITRO-VAP 961** or **NITRO-CIRC 963** per 10 gallons of 50°F water to rinse the system.

AGING AND SERVING TANKS:

After an initial burst rinse with hot water, use ½ oz. to ¾ oz. **BREW-CLEAN 101** per gallon of warm water (100-120°F) and CIP for 30 minutes. Burst rinse with warm water.

PHYSICAL PROPERTIES

Appearance White, Free-Flowing Powder
Odor Slight
Foam Low
Rinsing Ability Excellent
pH of 1% Solution 10-11

Seller Warranty

CH₂O brand test reagent refills are available through your sales representative at no charge. Customers are required to confirm product compatibility via a control test for their specific application. CH₂O recommends that you perform regular/daily testing to control chemical levels and cycles of concentration within established limits. Additional tests may be performed at your request. Test reports reflect conditions at the point when the analysis was performed. Results will change over time and with varying operating conditions.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Jurisdiction for any issues arising from or relating to this product shall be in the courts of the State of Washington and the venue shall be Thurston County. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the rules and procedures as stated in RCW 7.06 and shall be binding upon both parties without right to appeal, and judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Applies to all products sold by CH₂O, Inc., and is hereby communicated to all of its customers as a condition of sale. Use of CH₂O products is subject to the Standard Terms and Conditions as listed on CH₂O, Inc.'s website at: www.ch2o.com.



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