



8820 Old Hwy 99 SE, Tumwater, Washington 98501, USA
 360-943-6063 800-562-6184 FAX 360-352-4813 www.ch2o.com

**Product
Bulletin**

ALKA-MAX PLUS

CONCENTRATED BLEND OF CAUSTIC, WETTING AGENTS & WATER CONDITIONERS FOR FAST RINSING, SUPERIOR CLEANING AND OPTIMUM PERFORMANCE

TYPICAL APPLICATION

ALKAMAX-PLUS is recommended for CIP cleaning of brew kettles, mash tuns, heat exchangers, fermenters, and other tank and line circuits that need to be cleaned quickly and thoroughly.

CONVENIENT AND SAFER THAN POWDERS

ALKAMAX PLUS is a liquid cleaner that is easy to dispense by manual addition, or automatic transfer through dispensing systems. Diluting **ALKA-MAX PLUS** generates less heat than mixing powdered caustic, and reduces the chance of "flash back" that can occur when using powdered caustic, thus reducing a potential for injury.

SCALE CONTROL

ALKA-MAX PLUS provides scale control in kettles, tanks, and lines. It contains a synergistic blend of sequestering agents and chelating agents that inhibit the formation of scales such as calcium carbonate, milkstone, and beer stone.

FREE RINSING

The chelants and wetting agents in **ALKA-MAX PLUS** provide the shortest "post rinse times", so rinse water pH quickly returns back to normal, saving time and utilities. This will allow you to run more "CIP" cycles per shift, and optimize your operation.

SAFETY

ALKA-MAX PLUS is highly caustic and can cause burns. Wear goggles or face shield and rubber gloves when handling this product. While making use solutions, add product slowly to surface of water to avoid splashing.

GENERAL DIRECTIONS (Brew Kettle, Mash Tun & HTST)

1. Add 80 ounces **ALKA-MAX PLUS** per 40 gallons of water, to achieve a "causticity" reading of 1.75%, and a pH of approximately 13.5.
2. Raise temperature to 170-175°F, and circulate for 30 minutes.
3. Drain and rinse system until close to plant water pH, (usually 2 to 3 minutes).

NOTE: An acid rinse or sanitizing step can follow caustic rinsing. For acid rinsing, use 4 ounces of **NITRO-VAP 961** or **NITRO-CIRC 963** to 40 gallons of cold water. Circulate for 5 minutes and then rinse to drain, leaving equipment shiny and completely neutralized.

GENERAL DIRECTIONS (Tanks, Lines, Fermenters & Filters)

1. Product transfer hoses, stainless tubing circuits, and lighter soil areas require 0.5% causticity (approximately 25 oz. **ALKA-MAX PLUS** per 40 gallons of water) for optimal cleaning.
2. Fermenter tanks, brite tanks, and filters require 40 oz. of **ALKA-MAX PLUS** per 40 gallons of water (approximately 0.75% causticity).
3. Always check the rinse water pH near the end of rinse cycle to compare to normal plant water pH level, and if higher, continue to rinse until they are equal.

PHYSICAL PROPERTIES

Appearance.....	Golden Liquid
Odor.....	Mild
Foam.....	Low
Wetting Ability	Excellent
pH of Use Solution	12.5-13.5
Specific Gravity	1.45-1.50
1% Caustic Equivalent	1.5 gal/100 gal H ₂ O

PRODUCT pH INDICATOR

---- acid ---- neutral ---- alkaline ----

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14



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 product data sheet. Buyer is responsible to ensure that products and product dosages are appropriate for Buyer's particular application. 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.



Version Date: December 1, 2015 | Revision Date: December 11, 2015

