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CLC-40 CHLORINATED BLEND OF CAUSTIC FOR HEAVY-DUTY. ALKALINE CLEANING & LOW USE-COST

TYPICAL APPLICATIONS

CLC-40 is recommended for CIP cleaning of pasteurizers, evaporators, heat exchangers, tanks, fillers, and circulation lines.

CONVENIENT & SAFER THAN POWDERS

CLC-40 is a liquid cleaner, which can be accurately and efficiently dispensed through automatic feed and control systems. Because it is a liquid, CLC-40 produces less heat (which can cause an injurious "flash back") than dry products when added to water.

FOAM CONTROL

CLC-40 is a non-foaming product that contains a synergistic blend of alkalinity and bleach that removes organic and protein-based soils without cavitating pumps and impellers.

SAFETY

CLC-40 IS HIGHLY CAUSTIC AND CAN CAUSE BURNS. Wear goggles or face shield and rubber gloves when handling this product. While making use-solutions, add slowly to surface of water to avoid violent splattering.

GENERAL DIRECTIONS:

- 1) Add 2 gallons CLC-40 per 100 gallons of cold water for each 1 percent causticity desired.
- 2) Circulate 45 to 60 minutes.
- 3) Drain and rinse thoroughly with cold water.
- 4) Add 1 quart NITRO-CIRC 963 per 35 gallons of water and circulate at 140°F for a minimum of 30 minutes.
- 5) Drain and flush with cold water.

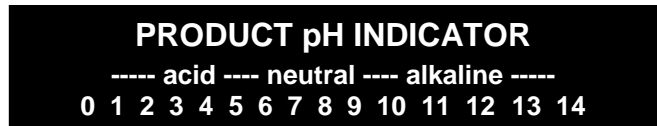
CONTROL & TESTING

Maintain a 1% causticity solution for best cleaning results. Use CH₂O's "CAUSTICITY" test as follows:

- 1) Fill the titration bottle with sample so that the lowest point of the water surface just touches the top edge of the 10 ml gradation mark.
- 2) Add three (3) drops of Reagent #1 (PC10-1); swirl to mix. Solution should be pink if product is present.
- 3) While shaking the sample gently, add Reagent #2 (PC10-2) dropwise, counting the drops. Continue adding Reagent #2 until one drop finally causes the pink color in the sample to disappear. **NOTE:** Be sure to hold the dropper bottle vertical, gently squeezing so that the drops are uniform in size.
- 4) Each drop of PC10-2 equals 0.1% causticity, so it is ideal to maintain a solution, which requires 9-10 drops of PC10-2. It may be necessary to add more product if the number of drops obtained in step 3 is below the proper range.

PHYSICAL PROPERTIES

Appearance.....	Clear Liquid
Odor.....	Mild
Foam.....	Low
pH of Use Solution.....	12.5-13.5
Specific Gravity.....	1.40-1.50
1% Caustic Equivalent.....	2 gal/100 gal H ₂ O



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.



VERSION DATE: September 3, 2003 REVISION DATE: September 2011

