



Caustic Soda Beads

TECHNICAL DATA SHEET

Caustic Soda Beads are a convenient form of dry caustic soda. Caustic Soda Beads are used in mechanical bottle washing, glass washing, for pH control, scale removal, and equipment cleaning.

BIOHITECH pH DOSAGE RATE:

Equipment	Daily Flow	Assumed Flow Based on 20 Hours	Dosage Rate in Lbs	Dosage Rate Every 6 Hours	Scoop Amount
BHT (Mangrove)	75-138	115	4.72	1.18	5
BHT (Sapling)	60-100	83.33	3.42	0.57	4
BHT (Cypress)	60-110	91.66	2.58	0.65	3

DIRECTIONS FOR USE:

- Always wear proper PPE when using corrosive materials
- Depending on the Digester size, please refer to the dosing table above to determine the number of scoops required to achieve proper dosing.
- A pH of the Biodigester effluent holding tank will need to be taken and recorded prior to the addition of any chemical.
- Upon food addition to the digester, the operator will add the required dosage as listed above based on the size of the digester.
- Once the addition of the chemical has been made the operator will wait the sum of 4 hours and confirm the pH in the Biodigester effluent holding tank.
- Six (6) hours after the initial dosing operator will add the same dosage to the digester and wait for 4 hours before testing the pH in the Bulk Digester fluids holding tank.
- Chemical addition will be required every 6 hours.
- Operations will need to monitor the pH of the Biodigester effluent holding tank.

****Note:** dose rates are calculated based on prior testing. It is important to understand the Biodigester effluent holding tank should never exceed the pH of 8.00. in the event pH becomes elevated above the desired 8.0 operations will need to stop all dosing and allow the tank pH to stabilize to 6.0 or lower before chemical addition again. At this time dosage intervals may be adjusted to satisfy process needs.

TYPICAL PHYSICAL PROPERTIES:

Appearance and Color	White Beads or Pearls
Initial Freeze Point	N/A
Odor	N/A
Solubility in Water	100%
Melting Point	323°C
Flashpoint	N/A
Specific Gravity	1.05

ENVIRONMENT:

- MARPOL Annex III and Annex V compliant
- REACH compliant
- Excellent aquatic toxicity profile
- Readily biodegradable

STORAGE AND HANDLING:

Store in a cool, dry location. Keep container closed to avoid absorption of moisture. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment.

Recommendations given in this data sheet are based on tests believed to be reliable. However, the use of the information is beyond the control of Eco Safe Clean Solutions and no guarantee, expressed or implied is made to the results obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage from the misuse of the product as such, or in combination with other materials. This bulletin is not to be taken as a license to operate under or recommendation to infringe any patent.

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