



ZEOTEC

CAUSTIC SODA

- GENERAL DESCRIPTION:** Is an inorganic compound with formula NaOH.
It is a white solid, a salt (ionic compound), consisting of sodium cations Na⁺ and hydroxide anions OH⁻
- RECOMMENDED USE:** Caustic Soda is used to elevate pH levels of calcium chloride brine systems.
- PHYSICAL SPECIFICATIONS:**
- | | |
|-----------------------|----------------------|
| Appearance..... | White Solid / Powder |
| Specific Gravity..... | NA |
| pH..... | 14 in 1% Solution |
| Freeze Point..... | NA |
- HANDLING & STORAGE:** Will cause eye and skin irritation. Gloves and eye protection are recommended. Do not take internally.
Store in closed container away from heat and strong oxidizing agents.
- DOSAGE & CONTROL:** Dosage varies depending on current pH levels of system.
Send a 40 fl oz sample of brine solution to ZeoTec ltd.
The purpose is to determine current pH levels and recommend correct amount of Caustic Soda needed by the system. (If needed).
- PACKAGING:** CAUSTIC SODA is sold per pound.
- PRICING:** Contact Zeotec Limited



CAUSTIC SODA

Guide to Adding CAUSTIC SODA to a Calcium Chloride Brine System

- 1) Follow the recommended amount of Caustic Soda needed based on last report.**
- 2) Dissolve caustic in good quality cold water in order to ensure safe handling.**
- 3) Add half of the amount of the recommended of Caustic Soda to start, let circulate fully through the system.**
- 4) Once Circulated, check pH using a pH measuring strip.**
- 5) If pH is still below 8.5/9.5. Continue adding the remaining recommended Caustic Soda by 25% increments.
For Example:
 - 1. If a cooling floor system needs 4 Pounds of Caustic Soda**
 - 2. Initial dosage should be 2 Pounds of Caustic Soda:**
 - 3. Once properly circulated in the system, check pH with a pH test strip to determine current pH level.**
 - 4. If current pH level is still low, ADD 1 Pound Caustic Soda and let circulate.**
 - 5. Once properly circulated in the system, check pH with a pH test strip to determine if desired pH level has been achieved (8.5 to 9.5 pH level).****
- 6) Continue this process until pH reaches 8.5/9.5, or until the allotted amount of Caustic Soda has been used.**

WATER MANAGEMENT CHEMICALS * EQUIPMENT * ENGINEERING SERVICES * LABORATORY SERVICES