



# ***BrewCaustic DF***

## **Non-Foaming High Caustic Cleaner**

### **DESCRIPTION**

**BrewCaustic DF** is sodium based, liquid caustic cleaner with superior chelating agents designed for removing heavily carbonized soils. It was specifically formulated for circulation cleaning of brew kettles, fermenters, packaging equipment, keg washing and all other brewery processing equipment.

#### **Advantages/Properties**

- Well formulated product that can handle hard water and is free rinsing.
- Liquid; easily dispensed through electronic devices and supply pumps.
- Non-foaming: prevents pump cavitation. Leaves surfaces clean and bright.
- Phosphate free.

### **DIRECTIONS FOR USE**

#### **Cold Processing Equipment Cleaning**

Use **BrewCaustic Cleaner** at 130F-155F for circulation cleaning at .5%-2% causticity, depending on the soil load. Circulate solution for 15 – 30 minutes. Rinse thoroughly prior to using **BrewAcid** during the acid wash cycle. Sanitize equipment using recommended Zee Company sanitizer.

#### **Brew Kettle Cleaning**

Use **BrewCaustic Cleaner** at 155F-165 F for circulation cleaning at 2.0%-4.0% causticity, depending on the soil load. Circulate solution for 30 – 60 minutes. Rinse thoroughly prior to using **BrewAcid** during the acid wash cycle. Sanitize equipment using recommended Zee Company sanitizer.



NaOH %(w/w)	Volume of <i>BrewCaustic DF</i> (Gallons)	Volume of <i>BrewCaustic DF</i> (Fluid Ounces)	Volume of <i>BrewCaustic DF</i> (Liters)	Total Volume
0.25%	0.13	17.0	0.50	31 Gallons (1bbl.)
0.50%	0.26	33.9	1.00	31 Gallons (1bbl.)
0.75%	0.40	50.9	1.50	31 Gallons (1bbl.)
1.0%	0.53	67.8	2.01	31 Gallons (1bbl.)
2.0%	1.06	135.6	4.01	31 Gallons (1bbl.)
3.0%	1.59	203.4	6.02	31 Gallons (1bbl.)
4.0%	2.12	271.3	8.02	31 Gallons (1bbl.)

All surfaces must be rinsed with potable water before reuse.

**Contact Zee Company for SDS documentation.**

*DO NOT MIX THIS PRODUCT WITH ANY OTHER CHEMICAL UNLESS DIRECTED TO DO SO BY ZEE COMPANY!* Avoid contact with acids. Dangerous gasses may be released.

Contact ZEE COMPANY for further use directions.

#### PHYSICAL PROPERTIES

Appearance:	Liquid
Weight per gallon:	12.1 pounds
Color:	Dark Brown
Odor:	Mild
pH	>12.2
Chemical Stability:	Stable
Biodegradability:	Complete