

## H.D. CAUSTIC #2

*Heavy duty chelated caustic designed for general use  
as a C.I.P., soak or foam cleaner*

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### ❖ **BENEFITS**

- ❖ Increases Cleaning Action
- ❖ Rinses Easily and Quickly
- ❖ Retards Scale Formation
- ❖ High Detergency with Low Foam
- ❖ Powerful Cleaning Action

### ❖ **DESCRIPTION**

H.D. CAUSTIC #2 is a chelated crystal alkali compound especially formulated for the removal of burned-on fatty soils. The sequestrants and detergent in combination with strong alkali provide powerful soil penetration, digestion, emulsification, suspension, and free rinsing properties. Low foaming H.D. CAUSTIC #2 can be used in hydro and soaker type equipment and for CIP cleaning of hot process equipment. By controlling water hardness, H.D. CAUSTIC #2 will retard scale formation promoting more efficient equipment operation. H.D. CAUSTIC #2 is recommended for use in spray washers and for cleaning pasteurizers, evaporators, and heat exchange surfaces. As a brewery cleaner, it is ideal as a kettle and lauder tun cleaner.

### ❖ **PROPERTIES**

APPEARANCE. . . . . OFF WHITE GRANULAR  
 ODOR. . . . . SLIGHT  
 FOAM. . . . . LOW  
 WETTING. . . . . EXCELLENT  
 pH @ 1 OUNCE / GALLON. . . . . 13.2  
 pH @ 2 OUNCES / GALLON. . . . . 13.5  
 BIODEGRADABLE. . . . . YES

## ❖ GENERAL USE DIRECTIONS

H.D. CAUSTIC #2 is readily and completely soluble, forming concentrated solutions up to 35% by weight. Each ounce per gallon will equal 0.9% causticity.

Application	Ozs. /Gal.	Temp. Range	Time	Method
Kettles	½-2	160-212°F	20-30 min.	Circulate
Fryers	2-8	212°F	45-90 min.	Boil
CIP & HTST	½-2	140-200°F	30-60 min.	Circulate
Smokehouses	1-4	80-100°F	1-5 min.	Foam
Hooks and Trolleys	4-8	140-180°F	5-15 min.	Soak
Foam Cleaning	4-8	80-100°F	1-5 min.	Foam
Bottle Washing	4-8	140-160°F	3-7 min.	Soak

## ❖ COMPLIANCE

H.D. CAUSTIC #2 is authorized by the U.S. Department of Agriculture for use as a cleaning agent in official meat, poultry, rabbit, and egg processing establishments, under the "A" category. After use, equipment must be rinsed with potable water.

## ❖ SAFETY

**DANGER:** Causes severe burns to skin and eyes. Harmful or fatal if swallowed. Do not mix with acids, a violent reaction will occur. Do not allow this product to come into contact with aluminum or hydrogen gas, an explosion will occur. Contains caustic soda. Do not take internally. Avoid contact with skin and eyes. Do not get on clothing. Rinse thoroughly after use. Avoid breathing dust. Wear protective clothing when handling this product: gloves, respirator, goggles and boots.

### **FIRST AID:**

**For Eyes:** Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes. Then continue rinsing. Call Poison Control Center or doctor for treatment advice.

**If Swallowed:** Call Poison Control Center or doctor immediately for treatment advice. Have person sip on a glass of water if able to swallow. Do not induce vomiting unless told to do so by the Poison Control doctor. Do not give anything to an unconscious person.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Poison Control Center for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or doctor for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsion may be needed.

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