

H.D. CAUSTIC #3

An economical heavy duty chelated caustic designed for general use as a C.I.P., soak or foam cleaner.

❖ **BENEFITS**

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

❖ **DESCRIPTION**

H.D. Caustic #3 is an economical alkali compound formulated for the removal of burned-on fatty soils and high temperature processed food residues. The sequestrates and detergent in combination with a strong alkali provide a powerful soil penetration, digestion, emulsification, suspension and free rinsing properties. Low foaming H.D. Caustic #3 can be used in hydro and soaker type equipment and for cleaning of hot process equipment. By controlling water hardness, H.D. CAUSTIC #3 will retard scale formation promoting more efficient equipment operation. H.D. CAUSTIC #3 is recommended for use in spray washers and for cleaning pasteurizers, evaporators and heat exchange surfaces.

❖ **PROPERTIES**

APPEARANCE.....	OFF-WHITE GRANULAR
ODOR.....	SLIGHT CHLORINE
FOAM.....	LOW
WETTING.....	EXCELLENT
pH @ 1 oz./gal.....	13.0
pH @ 2oz/gal.....	13.2
BIODEGRADABLE.....	YES

❖ GENERAL USE DIRECTIONS

H.D. CAUSTIC #3 is readily soluble in concentrated solutions up to 35% by weight.

APPLICATION	OZ/GALLON	EQUIP. TEMP.	TIME	METHOD
Kettles	½	160-212°F	20-30 min.	Soak
Fryers	2-8	212°F	1-2 hrs.	Soak
CIP & HTST		170-200°F	30-60 min.	Circulation
Smokehouses	1-4	160-200°F	3-5 min.	
Hook & Trolleys	4-8	180°F	5-15 min.	Soak
Foam & Cleaning	4-8	100°F	Apply As Necessary	

SOAK CLEANING: When cleaning kettles, fryers, hooks & trolleys and bottle washing, a solution of 4 to 8 ozs. of H.D. Caustic # 3 is recommended. The use concentration will vary depending on soil load and cleaning surface conditions. In general, a time of 20 minutes at 180° F and about 1 1/2% concentration is sufficient.

FOAM CLEANING: A solution of 4 to 8 ozs. of H.D. Caustic # 3 mixed with 1 pint of FOAM #1 or FOAM #2 in a gallon of water is sufficient for most cleaning jobs. Apply at temperatures no greater than 100° F. and allow foam to stand as needed.

CIRCULATION CLEANING: Rinse equipment after processing. Make a solution of 1/2 to 2 ozs. per gallon of water. Circulate for 30 to 60 minutes at 160° to 180° F. Drain system and acid wash using ACID CLEANER # 1 as directed on its label. Drain and rinse with potable water. Just prior to start up sanitize according to local health codes.

❖ COMPLIANCE

H.D. CAUSTIC #3 is acceptable to the U.S. Department of Agriculture for use in soak tanks or with steam and mechanical cleaning devices in official meat, poultry, rabbit, and egg processing establishments. After use, equipment must be rinsed with potable water.

❖ SAFETY

DANGER: CAUSES SEVERE BURNS TO SKIN AND EYES. HARMFUL OR FATAL IF SWALLOWED. Contains caustic soda. Avoid breathing dust. Use a respirator. Avoid contact with skin or eyes. Do not take internally. Do not add this product to hot water or hot alkali solutions, a violent flash back will occur. Do not mix with acids.

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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