



CHALLENGE

DESCRIPTION:

CHALLENGE is an in-place alkaline cleaner for food, beverage and dairy plants containing a high percentage of available chlorine in a medium-duty high-sequestered formulation for maximum performance.

CHALLENGE is low foaming even at high concentration and high circulation velocities and is free rinsing in hard or soft water. Equipment cleaned with **CHALLENGE** is rendered spotlessly clean.

This product is physically and chemically stable – loss of available chlorine during storage is negligible for up to six months. High detergent activity plus high available chlorine make **CHALLENGE** a most effective and convenient product.

PROPERTIES:

Appearance:	Off-white liquid with chlorine odor.
Specific Gravity:	1.29
pH (100%):	13.8 – 14.2
pH (1% by Volume):	12.2 – 12.5
Metal Safety:	Safe on ferrous and cuprous metals. Attacks aluminum and zinc alloys.
Available Chlorine:	2.3% (0.9% by volume solution equals 200 ppm)
U.S.D.A. Status:	For use as a general cleaning agent on all surfaces (Category = A1)

APPLICATION:

Use **CHALLENGE** for circulation in-place cleaning of equipment lines, etc. in milk plants, breweries and similar plants. Use approximately 1 to 2% by volume in the recirculating tank never permitting the available chlorine level to fall below 50 ppm. **CHALLENGE** can also be used to clean eggshells prior to further processing. For eggshell cleaning, **CHALLENGE** is used at 0.5 – 0.7%. **CHALLENGE** is generally used at temperatures between 120°F. and 185°F. The surface being cleaned with **CHALLENGE** should be rinsed thoroughly with clear water prior to, or following, any acid rinse.

Before using **CHALLENGE**, food products and packaging materials must be removed from the room or carefully protected. After use, surfaces must be thoroughly rinsed with potable water.

PRODUCT CAUTIONS:

Causes burns to skin, eyes and alimentary canal. May be fatal if swallowed. Contains potassium hydroxide and sodium hypochlorite. Wear goggles, faceshield and impermeable-type gloves.

DO NOT MIX CHALLENGE WITH ACIDS! THIS WILL FORM TOXIC CHLORINE GAS.

EMERGENCY FIRST AID:

EYE: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician.

SKIN: Immediately flush with large quantities of cool water continuously for at least 15 minutes. Call a physician. Remove contaminated clothing and shoes. Do not put contaminated clothing and shoes back on. Wash clothing and shoes thoroughly in soap and water; rinse repeatedly in clean water and dry before reuse.

INGESTION: If conscious, immediately give large quantities of water. **DO NOT INDUCE VOMITING.** Call a physician at once. **DO NOT** give anything by mouth if the person is unconscious or if having convulsions.

INHALATION: Remove to fresh air. Give artificial respiration if necessary. Get medical attention immediately.

Keep from freezing.

If use is contemplated for purposes other than, or by methods different from those specifically recommended herein, please contact the manufacturer for advice.

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN.