

# CHALLENGE LPH

## TECHNICAL DATA SHEET

### **DESCRIPTION:**

**CHALLENGE LPH** is a mildly alkaline in-place 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 LPH** is low foaming even at high concentration and high circulation velocities and is free rinsing in hard or soft water. Equipment cleaned with **CHALLENGE LPH** 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 makes **CHALLENGE LPH** a most effective and convenient product.

### **PROPERTIES:**

Appearance:	Off-white liquid with a mild chlorine odor.
Specific Gravity:	1.08
pH (100%):	11.5 – 12.0
pH (1% by Volume):	8.5 – 9.0
Metal Safety:	Safe on ferrous and cuprous metals. May attack aluminum and zinc alloys.
U.S.D.A. Status:	For use as a general cleaning agent on all surfaces (Category = A1)

### **APPLICATION:**

Use **CHALLENGE LPH** 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 LPH** is generally used at temperatures between 120°F. and 185°F. The surface being cleaned with **CHALLENGE LPH** should be rinsed thoroughly with clear water prior to, or following, any acid rinse.

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

For best results, **CHALLENGE LPH** should be used within 90 days.

### **PRODUCT CAUTIONS:**

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

**DO NOT MIX CHALLENGE WITH ACID! THIS WILL FORM 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.**

**Madison Chemical Co., Inc.**

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