## **CHEM-STAR™**

## Perform 100<sup>TM</sup>

# PRODUCT DESCRIPTION

Perform  $100^{TM}$  is a liquid, chlorinated detergent for pipeline and mechanical bulk tank cleaning.

## **BENEFITS**

### **Promotes Quality Assurance**

- Chlorinated formulation helps insure thorough removal of protein soils
- Works in systems that cannot tolerate foam

### **Helps Reduce Cleaning Costs**

- Excellent cleaning at economical rates
- No special additives required
- · Prevents burning of stainless steel by undissolved powders

### **Environmentally Responsible**

Lower phosphate levels

## Perform 100<sup>TM</sup>

## **PROPERTIES**

Form	liquid
	pale yellow
	slight chlorine
Foam	none
pH at 1.0%	12.2

Alkalinity:	
Active as Na <sub>2</sub> O	7.0%
Total as Na <sub>2</sub> O	9.8%
Available Chlorine by weight	3.0%
Specific gravity at 68°F	1.180
Pounds per gallon9	.83 (4.46 kg)
Freezing Point	

Formula ingredients contain not more than 0.1% phosphorus, 0.02 grams per gallon of average recommended use concentration.

### TO USE

### **USE DILUTIONS - CLEANING PIPELINE MILKERS**

0-12 grains hardness: 1 oz per 3 gallons (2.6 mL/L) hot water (160°F/7°C) 12-18 grains hardness: 1 oz per 2 gallons (3.9 mL/L) hot water (160°F/71°C) More than 18 grains hardness: 1½ oz per 2 gallons (5.9 mL/L) hot water (160°F/71°C)

#### CLEANING PIPELINES WITHOUT MECHANICAL WASHERS

- Pre-rinse system thoroughly with clean warm water (100-110°F/38-43°C).
- Prepare wash solution using the correct use dilution as recommended above. Circulate for not more than 8 to 10 minutes. Temperature must not go below 100 F (38°C) during wash cycle. Drain.
- Follow with proper use dilution of Chem-Star<sup>™</sup> CIP Acid<sup>™</sup> or Acid Sanitizer<sup>™</sup> acid rinse and sanitize in one easy step. Or use proper use dilution of acid rinse. Circulate. Allow to drain.
- Sanitize by circulation proper ppm solution of Chem-Star<sup>™</sup> liquid sanitizer, following label directions.\* Do not sanitize more than 30 minutes before using equipment. Drain completely.

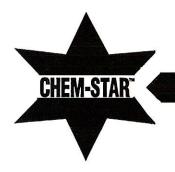
## USE DILUTIONS - SPRAY OR MECHANICAL WASHINGS OF BULK TANK

O-18 grains hardness: ¾ oz per 1 gallon (5.9 mL/L) hot water (160°F/71°C) More than 18 grains hardness: 1½ oz per 1 gallon (11.7 mL/L) hot water (160°F/71°C)

#### **CLEANING PROCEDURE**

- 1. Pre-rinse bulk tank with clean warm water (100-110°F/38-43°C).
- Prepare wash solution using the correct use dilution as recommended above.
- Circulate and spray solution on bulk tank surfaces with mechanical washing unit for mot more than 8 minutes. Temperature must not go below 100°F (38°C) during wash cycle. Drain.
- 4. Follow with proper use dilution of  $Chem-Star^{TM}$  CIP Acid to acid rinse.
- Unless a Chem-Star<sup>TM</sup> Acid Sanitizer<sup>TM</sup> was used to acid rinse and sanitize in last step, just before milking, sanitize by spraying with proper ppm solution of liquid sanitizer applied by sprayer.\* Allow tank to drain before closing valve.

\*Where local or state regulations are in effect, Consult authorities for additional information:



DAIRY SANITATION PRODUCTS



