

# CHEM-STAR™



## Perform Plus™

---

### PRODUCT DESCRIPTION

*Perform Plus™* 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 Plus™

## PROPERTIES

Form .....	liquid	Alkalinity:	
Color .....	pale yellow	Active as Na <sub>2</sub> O .....	7.0%
Odor .....	slight chlorine	Total as Na <sub>2</sub> O .....	9.8%
Foam .....	none	Available Chlorine by weight.....	3.0%
pH at 1.0%.....	12.2	Specific gravity at 68°F .....	1.180
		Pounds per gallon .....	9.83 (4.46 kg)
		Freezing Point .....	11°F/-12°C

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

1. Pre-rinse system thoroughly with clean warm water (100-110°F/38-43°C).
2. 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.
3. Follow with proper use dilution of *Chem-Star™ CIP Acid™* or *Acid Sanitizer™* acid rinse and sanitize in one easy step. Or use proper use dilution of acid rinse. Circulate. Allow to drain.
4. Sanitize by circulation proper ppm solution of *Chem-Star™* 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

0-18 grains hardness: ¼ 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).
2. Prepare wash solution using the correct use dilution as recommended above.
3. Circulate and spray solution on bulk tank surfaces with mechanical washing unit for not 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™ CIP Acid* to acid rinse.
5. Unless a *Chem-Star™ Acid Sanitizer™* 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

MANUFACTURED FOR & DISTRIBUTED BY

**MEDA**

MILKING EQUIPMENT DEALERS ASSOCIATION, INC.  
S12274 Liegel Court • Spring, Green, WI 53588