

CHEM-STAR™

Perform 100™

PRODUCT DESCRIPTION

Perform 100™ 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™

PROPERTIES

Form	liquid	Alkalinity:	
Color	pale yellow	Active as Na ₂ O	7.0%
Odor	slight chlorine	Total as Na ₂ 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.

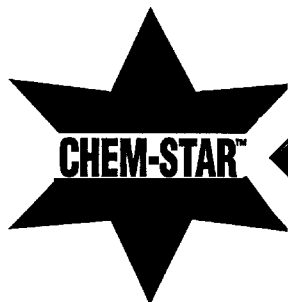
USE DILUTIONS - SPRAY OR MECHANICAL WASHINGS OF BULK TANK

0-18 grains hardness: 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).
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



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