

CHEM-STAR™



Hi Perform™

PRODUCT DESCRIPTION

Hi Perform™ is a liquid chlorinated detergent for pipeline and mechanical bulk tank cleaning.

BENEFITS

Effective

- Prevents burning of stainless steel by undissolved powders.
- No white films - leaves stainless steel bright and shiny.
- Works in systems that cannot tolerate foam.
- Easily dispensed - no complicated mixing equipment.
- Excellent solubility - no undissolved residues.
- Non-corrosive to 304 and 316 stainless steel when used at recommended dilutions.
- Chlorinated formula attacks and removes protein soils.
- Leaves equipment spot-free.
- Low foaming formulation.
- Contains chlorine and water conditioning agents.

Saves Time and Labor

- Labor savings - no mixing or dissolving required; no additives required.
- Provides excellent cleaning results at economical rates.

Hi Perform™

PROPERTIES

Form	liquid	pH (1.0% solution)	12.3
Color	light yellow	(0.1% solution).....	11.1
Odor.....	slight chlorine	Alkalinity:	
Foam	none	Active as Na ₂ O	12.2%
Specific gravity at 68F	1.237	Total as Na ₂ O	14.0%
Contains 2.8% Chlorine		Weight/gallon.....	10.30 lbs. (4.67kg.)
		Freezing Point	-20°F/-30°C

Formula ingredients contain not more than 0.01% phosphorus; 0.02 g per gallon of average recommended use concentration.

TO USE

CLEANING PIPELINES

USE DILUTIONS - CLEANING PIPELINE MILKERS

0-18 grains hardness - 1 oz per each 3 gallons (2.6 mL/L) hot water (160° F/71°C)

18-40 grains hardness - 1 oz per each 2 gallons (3.9 mL/L) hot water (160° F/71°C)

1. Pre-rinse system thoroughly with potable warm water (100°F/38°C-110° F/43°C).
2. Prepare washing solution using the correct dilution as recommended above.
3. Circulate cleaning solution through system for 8 to 10 minutes. Temperature must not go below 100F/38C during wash cycle.
4. Rinse system thoroughly with 1 ounce of *Monarch Acid Sanitizer* to each 6 gallons (1.3 mL/L) rinse water to acid rinse and sanitize in one easy step. Or follow with an acidified rinse using the proper use dilution of *Acid 10™* or *Acid Gold™*.
5. Unless *Monarch Acid Sanitizer* was used to acid rinse and sanitize in the last step, just before milking, sanitize by using proper use dilution of *Shield 840* and water. (Do not sanitize equipment sooner than 30 minutes before use.)

MECHANICAL CLEANING OF BULK TANKS

USE DILUTIONS - CLEANING BULK TANKS

0-18 grains hardness - 1oz per each 2 gallons (3.9 mL/L) hot water (160° F/71°C).

18-40 grains hardness - 1 oz per each gallon (7.8 mL/L) hot water (160° F/71°C).

1. Pre-rinse bulk tank with potable, warm water (100°F/38°C - 110°F/43° C).
2. Prepare washing 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 10 minutes. Temperature must not go below 100F/38C during wash cycle. Drain.
4. Rinse inside and outside of bulk tank with proper use dilution of *Monarch Acid Sanitizer* to acid rinse and sanitize in one easy step. Or follow with an acidified rinse using the proper use dilution of *Acid 10™* or *Acid Gold™*. Circulate. Allow to drain.
5. Unless *Monarch Acid Sanitizer* was used to acid rinse and sanitize in the last step, just before milking, sanitize by using proper use dilution of *Shield 840* and water*. (Do not sanitize equipment sooner than 30 minutes before use.)

*Where local or state regulations are in effect, consult authorities for additional information.

DAIRY SANITATION PRODUCTS



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MEDA

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