

Monarch[®]

Typhoon[™] CIP

PRODUCT DESCRIPTION

Unique, super concentrated product provides customized cleaning using a non-chlorinated CIP detergent with variable chlorine addition.

BENEFITS

DAIRYMEN:

Maximum Effectiveness Provides Quality Assurance

- Non-chlorinated formulation allows for customized cleaning application.
- Highly formulated system provides performance under heavy soil loads.
- Provides superior results in most water conditions.

Convenient and Economical to Use

- Simplified cleaning program with minimal set-up.
- Helps minimize packaging disposal problems by reducing plastic waste.

DISTRIBUTORS:

Saves Time and Labor

- Super concentrated formula – up to three times more concentrated than conventional liquids or powders.
- Convenient packaging provides for easy handling, stacking and storing.

Typhoon™ CIP

PROPERTIES

Form	liquid	pH at 1%	12.7
Color	amber	pH at 0.1%	11.7
Odor	none	Alkalinity:	
Foam	none	Active (as Na ₂ O)	16.0%
Spec. Grav. @ 68°F (20°C)	1.340	Total (as Na ₂ O)	19.5%
Pounds per gallon	11.16 (5.06kg)		

Formula ingredients contain not more than 0.03% Phosphorus, 0.001 g per gallon of average recommended use concentration.

TO USE

General Guidelines for Initial Set-Up:

Use product at one-half (1/2) current usage rate (powder or liquid). Since cleaning conditions vary depending upon system configuration, water conditions, etc., actual usage rate of Typhoon CIP may vary from one-half (1/2) to one-third (1/3) current rates.

IMPORTANT: Typhoon CIP does not contain chlorine. Chlorine must be added separately either manually or automatically.

Cleaning Pipelines and Milking Units:

1. Pre-flush pipelines and milking units with large volume of potable water.
2. Prepare cleaning solution using 1 oz. Typhoon CIP to each 10 gals. (0.78 mL/L) hot water. In addition, add 1.25 oz. liquid sodium hypochlorite (10% active) per 10 gallons (1.0 mL/L) to provide 110 ppm of chlorine. **Note:** In the case of cleaning difficulties due to large systems, meters, etc., increase the chlorine amount by the addition of 1.75 oz. liquid sodium hypochlorite (10% active) to provide 150 ppm chlorine per each 10 gallons (1.4 mL/L) of water. (Starting temperature 160°F./71°C.). (Do not guess at amount of water. Measure and put mark on tank.)
3. Circulate cleaning solution through system for 6-8 minutes, brush-washing all parts not coming in contact with circulating solution. Wear rubber gloves when brush-washing equipment.
4. Rinse with a large volume of potable water to remove all detergent solution. Follow with proper use dilution of acid sanitizer to acid rinse and sanitize in one easy step. Or use proper use dilution of Typhoon Acid. Circulate. Allow to drain.
5. Unless an acid sanitizer was used to acid rinse and sanitize in last step, just before milking, sanitize by circulating proper ppm solution of liquid sanitizer, following label directions. (*Do not sanitize more than 30 minutes before using equipment.) Drain completely.

Mechanical Cleaning of Bulk Tanks:

1. Pre-flush with a large volume of potable water.
2. Prepare washing solution in volume necessary to properly operate the spray devices using 1 oz. Typhoon CIP to each 5 gallons (1.56 mL/L) of hot water (150°F./65°C.). In addition, add 2/3 oz. liquid sodium hypochlorite (10% active) per 5 gallons (1.0 mL/L) to provide 110 ppm of chlorine. **Note:** In the case of cleaning difficulties due to large bulk tank systems, etc., increase the chlorine amount by the addition of 7/8 oz. liquid sodium hypochlorite (10% active) per 5 gallons (1.4 mL/L) to provide 150 ppm chlorine.
3. Allow to spray-wash for 10 minutes. Disconnect return line and drain.
4. Inspect all milk zone surfaces for cleanliness. Prepare concentrated washing solution using 4 oz. chlorinated manual cleaner and not more than 1 gal. (30 g/L) hot water. Brush-wash valve outside of tank and any part of tank not cleaned by mechanical system. Wear rubber gloves when brush-washing equipment.
5. Rinse tank thoroughly inside and out with potable water. Follow with proper use dilution of acid sanitizer to acid rinse and sanitize in one easy step. Or use proper dilution of Typhoon Acid. Circulate. Allow to drain.
6. Unless an 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.

For first aid and precautions, refer to product label or Material Safety Data Sheet (MSDS).

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