

# Monarch<sup>®</sup>

## Super Ream<sup>®</sup>

### PRODUCT DESCRIPTION

*Monarch<sup>®</sup> Super Ream<sup>®</sup>* is a powerful, chlorinated, powdered detergent for efficient cleaning of milking equipment.

### BENEFITS

#### Effective

- Works in all water hardness conditions.
- Quick and complete removal of protein soils on glass and stainless steel surfaces.
- Spot-free rinsing in all types of water.
- Excellent solubility — no undissolved residues.
- Non-corrosive to stainless steel or glass equipment at recommended use dilutions.
- Non-foaming formulation.

#### Saves Time and Labor

- Provides excellent cleaning results at economical rates.
- One-step cleaner.

**ECOLAB<sup>®</sup>**

# Super Ream<sup>®</sup>

## PROPERTIES

Form	powder	Alkalinity	
Color	white	Active as Na <sub>2</sub> O	18.0%
Odor	slight chlorine	Total as Na <sub>2</sub> O	25.6%
Foam	none	Available chlorine	1.8%
		pH (1.0% solutions)	11.9
		(0.1% solution)	11.0

Formula ingredients contain not more than 0.9% phosphorus, 0.2 g per gallon of average use concentration.

## USE

### Cleaning Pipelines and Milking Units

1. Preflush pipeline and milking units with large volume of clear tap water.
2. Prepare cleaning solution using 1 ounce of Monarch Super Ream to each 2 gallons (3.8 g/L) of hot water. Starting temperature of 160°F (71° C). (Do not guess at amount of water. Measure and put mark on tank.) NOTE: Pipeline systems with restrictions resulting from the installation of milk meters, automatic takeoffs, unit washers and other plastic accessories may require higher product concentrations.
3. Circulate cleaning solution through system for 10 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 tap water to remove all detergent solution. Follow with proper use dilution of pipeline acid. Circulate. Allow to drain.
5. 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.

NOTE: When step 4 is followed, alternate acid cleaning with pipeline acid is not necessary. The acidified rinse prevents formation of milkstone, mineral deposits and leaves surfaces film-free.

### Cleaning Transfer Systems

Fill receiver container with enough hot water to establish recirculation. Add 1 ounce of Monarch Super Ream to each 2 gallons (3.8 g/L) of 160°F (71°C) water. Follow pipeline cleaning procedures.

### Mechanical Cleaning of Bulk Tanks

1. Pre-flush tank with a large volume of clear tap water.
2. Prepare washing solution in volume necessary to properly operate the spray devices, using 1 ounce of Monarch Super Ream to each gallon (7.5 g/L) on hot water (160°F/71°C).
3. Allow to spray-wash to 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 gallon (30.0 g/L) of 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 clear water. Follow with proper use dilution of pipeline acid. Circulate. Allow to drain.
6. Just before milking, sanitize by spraying with proper ppm solution of liquid sanitizer applied by sprayer. Allow tank to drain before closing valve.

NOTE: When step 5 is followed, alternate acid cleaning is not necessary. The acidified rinse prevents formation of milkstone, mineral deposits and leaves surfaces film-free.

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

For cautionary and first aid information, consult the Material Safety Data Sheet (MSDS) or product label.

## FOOD & BEVERAGE DIVISION

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