

# Monarch<sup>®</sup>

## HD 325

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### PRODUCT DESCRIPTION

*Monarch HD 325* is a chlorinated, high alkaline powdered detergent, especially for bulk tank and pipeline washing.

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### BENEFITS

#### Promotes Quality Assurance

- Heavy duty chlorinated formula rapidly attacks and removes protein soils.
- Low foaming formulation provides more efficient CIP cleaning.
- Caustic based formulation works at lower drop temperatures.
- Especially designed to leave three-inch systems spot-free and smelling fresh.

#### Saves Money

- Stable powdered formulation gives longer shelf life.
- One step circulation cleaner - no chlorine or water conditioning additives required.

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### PROPERTIES

Form . . . . .	powder	Alkalinity:	
Color . . . . .	white to tan	Active as Na <sub>2</sub> O . . . . .	28.8%
Foam . . . . .	defoamed	Total as Na <sub>2</sub> O . . . . .	44.3%
		Contains 2.5% Chlorine . . . . .	

Formula ingredients contain not more than 7.0% phosphorus, 0.7 g per gal. of average recommended use concentration.

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### USE

#### CLEANING PIPELINES AND MILKING UNITS

1. Pre-flush pipeline and milking units with a large volume of clear tap water.
2. Prepare cleaning solution using 1 oz. of *HD 325* in each 3 gallons (2.5 g/L) of hot 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 8 minutes, brush-washing all parts not coming in contact with circulating solution. Wear rubber gloves when brush-washing equipment.
4. Rinse equipment with potable water.
5. Rinse with solution containing *Monarch Eliminate* 1/10 ounce per gallon (0.8 mL/L) of water.
6. Sanitize prior to use with an EPA registered Monarch sanitizer.

Consult your Ecolab Representative for specific use instructions and recommended dispensing equipment. Please refer to the Material Safety Data Sheet before use.

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