



HD PL-10™ Plus

PRODUCT DESCRIPTION HD PL-10™ Plus is a concentrated, non-foaming, tri-blend detergent, which helps remove alkaline films from milking equipment surfaces.

BENEFITS

Promotes Quality Assurance

- ▲ Leaves equipment shiny and film-free.
- ▲ Works in all water hardness conditions.
- ▲ Low-foam formulation promotes free-rinsing.

Convenient to Use

- ▲ When used regularly as an acid rinse, eliminates necessity of periodic acid washing to prevent mineral deposits and alkaline films on metal surfaces.
- ▲ Specially designed for use in CIP recirculation systems.
- ▲ Helps protect stainless steel surfaces from corrosion, rust or pitting.

PROPERTIES

Form	liquid	Pounds per gallon	9.8 (4.4 kg)
Color	red	pH 1% solution	1.3
Odor	slight nitric	Acidity calculated as	
Spec. Grav. @ 68°F (20°C)	1.176	Nitric Acid	32.8%

Formula ingredients contain not more than 3.3% phosphorus, 1.0 g per gal. of average recommended use concentrations.

DIRECTIONS FOR USE

Cleaning Pipelines

1. Pre-flush pipelines and milking units with large volume of potable water.
2. Prepare wash solution using proper use dilution of an appropriate chlorinated alkaline cleaner following label directions carefully.
3. Circulate wash solution through system for 8-10 minutes. Brush-wash all parts not coming in contact with the wash solution. Wear impervious gloves when brush-washing equipment.
4. Rinse with large volume of potable water to remove all wash solution. Allow to drain.
5. Finish with acidified water rinse. Add one (1) ounce of HD PL-10 Plus to each 10 gallons (0.78 mL/L) of potable water. Rinse system and allow to drain.
6. Just before milking (no sooner than 30 minutes), sanitize by circulating proper ppm solution of an appropriate EPA-registered sanitizer*. Drain completely.

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DIRECTIONS FOR USE (CONT.) Cleaning Bulk Tanks

1. Pre-flush bulk tank with large volume of potable water.
2. Prepare wash solution in volume necessary to properly operate the spray device, using proper use dilution of an appropriate chlorinated alkaline cleaner following label directions carefully.
3. Spray-wash for 8-10 minutes. Disconnect return line and drain. Inspect all milk zone surfaces for cleanliness. Prepare wash solution using 4 ounces of a chlorinated manual cleaner and not more than 1 gallon of hot water. Brush-wash valve, outside of tank and any part of tank not cleaned by spraying system. Wear impervious gloves when brush-washing equipment.
4. Rinse inside and outside of bulk tank with potable water to remove all wash solution. Allow to drain.
5. Finish with acidified water rinse. Add one (1) ounce of HD PL-10 Plus to each 10 gallons (0.78 mL/L) of potable water. Rinse system and allow to drain.
6. Just before milking (no sooner than 30 minutes), sanitize by circulating proper ppm solution of an appropriate EPA-registered sanitizer*. Drain completely.

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

Consult your Ecolab Representative for specific use instructions and recommended dispensing equipment.

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

STATEMENT OF ASSURANCE

This product is effective under the intended conditions of use as outlined on the product label or specified in a Sanitation Standard Operating Procedure (SSOP). This product will not adulterate food product provided that before using it, food products and packaging materials are removed from the room or carefully protected and after using these compounds, surfaces are thoroughly rinsed with potable water.

ECOLAB SUSTAINABILITY POLICY

We have a commitment to our customers to provide effective programs that help protect the health and safety of their customers and employees. We will sell products or services that maximize performance, limit total environmental impact, and are safe as our customers commonly use them. We will inform our customers of the environmental impacts of our products or services, and of their correct use.