

DANGER
KEEP OUT OF REACH OF CHILDREN



▶ HYGIENE ▶ ACID

QUANTUM CLEAR ACID

Contains 390g/L Citric Acid

Low Rinse

Milking Machine and Milk Silo Cleaner



SKIN AND EYE IRRITANT. ERMA APPROVAL CODE: HSR006515. CITRIC ACID, >10 - 50%
IN A NON HAZARDOUS DILUENT. MPI APPROVED FOR USE IN FARM DAIRIES D597.



QUANTUM CLEAR ACID

Low Rinse

Milking Machine and Silo Cleaner

RECOMMENDATIONS FOR USE

QUANTUM CLEAR ACID is only suitable for HIGH TURBULENCE machines and must be used in a program that includes alkaline detergent wash cycles every other day. Refer to the table below for the minimum required wash program.

QUANTUM CLEAR ACID can only be used in machines that have maximum water hold back of 200mL per set of cups after wash and draining (i.e. 2.4L in a 12 ASHB, 10L water in a 50 bail rotary). All residual wash water must be let to drain until milk flows.

MILKING MACHINE - FOLLOWING ALKALINE WASH:

1. Refer to the FIL range of Alkali detergents for the alkali wash instructions.
2. Use QUANTUM CLEAR ACID at 15mL per 10 litres of cold water, ensuring sufficient wash solution to provide 10 litres per cluster. Use compliant water only.
3. Start the wash cycle.
4. Dismantle and brush any inaccessible parts. Wash thoroughly with cleaning solution and reassemble.
5. Open the plant and allow to drain.
6. Rinse with compliant cold water at a minimum rate of 2L per cluster.
7. Open the plant and allow to drain.

ACID WASH ONLY:

1. After milking flush machine with a minimum of 10 litres of cold water per cluster.
2. Use QUANTUM CLEAR ACID at 15mL per 10 litres of HOT water (85°C), ensuring sufficient wash solution to provide 10 litres per cluster. Use compliant water only.
3. Start the wash cycle and recirculate for 5 minutes (DO NOT allow the water temperature to drop below 55°C).
4. Open the plant and allow to drain.
5. Rinse with compliant cold water at a minimum rate of 2L per cluster.
6. Open the plant and allow to drain.

MILK SILO - FOLLOWING ALKALINE WASH:

1. Refer to the FIL range of Alkali detergents for the alkali wash instructions.
2. Dismantle and brush any inaccessible parts. Wash thoroughly with cleaning solution and reassemble.
3. Use QUANTUM CLEAR ACID at 15mL per 10 litres of COLD water, with a minimum of 120 litres of water or a volume of water equal to 2% of the silo's capacity, whichever is greater. Use compliant water only.
4. Start the wash cycle.
5. Open the silo and allow to drain.
6. Rinse with compliant cold water at a minimum rate of 80L or 1% of the silo volume whichever is larger.
7. Open the silo and allow to drain.

ACID WASH ONLY:

1. After milk pickup flush silo with a minimum of 120 litres of fresh water or a volume of water equal to 4% of the silo capacity whichever is greater.
2. Use QUANTUM CLEAR ACID at 15mL per 10 litres of HOT water (85°C), with a minimum of 120 litres of water or a volume of water equal to 2% of the silo's capacity, whichever is greater. Use compliant water only.
3. Start the wash cycle and recirculate for 5 minutes (DO NOT allow the water temperature to drop below 55°C).
4. Open the plant and allow to drain.
5. Rinse with compliant cold water at a minimum rate of 80L or 1% of the silo volume whichever is larger.
6. Open the silo and allow to drain.

| | DAY 1: ALKALINE & ACID WASH | | DAY 2: ACID WASH ONLY |
|---------|--|--|---|
| MORNING | Alkaline hot wash (85°C): Quantum XL, Powder or Impact Blue | Acid rinse cold: QUANTUM CLEAR ACID | Acid hot wash (85°C): QUANTUM CLEAR ACID |
| EVENING | Acid hot wash (85°C): QUANTUM CLEAR ACID | | Acid hot wash (85°C): QUANTUM CLEAR ACID |

NB: The morning and evening wash must be followed by a minimum of 2L/cluster of rinse water



HAZARD STATEMENTS

Causes serious eye damage.
Causes mild skin irritation.

PREVENTION STATEMENTS

Keep out of reach of children.
Read label before use. Read safety data sheet before use. Wear eye protection.

RESPONSE STATEMENTS

If medical advice is needed, have product container or label at hand.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

STORAGE STATEMENTS

Store in a closed container.

DISPOSAL STATEMENTS

Dispose of empty containers safely in accordance with local regulations. Triple rinse containers when empty. Add rinsings to use solutions. Avoid contamination of natural water supplies with chemical or empty container. After cleaning, all existing labels should be removed. PRODUCT DISPOSAL: Adjust the pH to neutral with soda ash, separate any insoluble solids or liquids and package them for hazardous waste disposal. Flush the neutral solution down the drain with plenty of water. The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of addition and good ventilation.

BARCODE