

**DANGER**  
KEEP OUT OF REACH OF CHILDREN



► HYGIENE ► ACID

# QUANTUM ONE

Contains 400g/L Phosphoric and Organic Acids

Low dose, ultra-low foam acid detergent  
sanitiser for high turbulence wash systems

Milking Machine and Silo Cleaner

ACUTELY TOXIC SUBSTANCE; CORROSIVE TO METALS; CORROSIVE TO DERMAL TISSUE; CORROSIVE TO OCULAR TISSUE; ECOTOXIC IN THE AQUATIC ENVIRONMENT; ECOTOXIC TO TERRESTRIAL VERTEBRATES. ERMA APPROVAL CODE: HSR002526. GROUP STANDARD: CLEANING PRODUCTS (CORROSIVE). UN NO: 1805. HAZCHEM CODE: 2R, PACKING GROUP III. MPI APPROVED FOR USE IN FARM DAIRIES D597.



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Low dose, ultra-low foam acid detergent sanitiser for high turbulence wash systems  
Milking Machine and Silo Cleaner

## DIRECTIONS FOR USE

### MILKING MACHINE - PLEASE REFER TO WASH PROGRAMME

1. After milking flush machine with a minimum of 10L of cold water per cluster
2. Set hot water cylinder thermostat to 85°C
3. Commence wash programme using 10mL QUANTUM ONE in 10L hot water
  - Jetter system use 10L per cluster
  - Reverse flow use 15L per cluster
4. Strip and brush any inaccessible parts. Wash thoroughly with cleaning solution and reassemble
5. Prior to the next milking rinse plant with cold water using compliant water only
6. After rinsing, open plant to drain.

### MILK SILO

1. Rinse with cold water using 4% of the volume of the silo - then drain
2. Commence Silo wash programme using 10mL QUANTUM ONE in 10L hot water
  - Wash volume should be 2% of the volume of the silo
  - Minimum wash volume is 120L
3. Dismantle and brush any inaccessible parts eg valves, doors and seals
4. Reassemble and flush with detergent
5. Prior to the next milking rinse silo with cold water using compliant water only
6. After rinsing, open valves to drain.

### ALKALINE WASH

1. Twice weekly (or more frequently if water quality or cleaning system requires it) use a hot alkali wash of FIL Quantum XL at 15mL/10L
2. Recycle for predetermined time ensuring temperature in maintained above 55°C
3. Strip and brush any inaccessible parts
4. Reassemble and wash with QUANTUM ONE at 10mL/10L
5. Prior to next milking rinse silo with cold water using compliant water only
6. Open valves to drain.



TOXIC



Dangerous Goods Class 8,  
Packing Group III

## HAZARD STATEMENTS

Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.  
May be corrosive to metals. Causes severe skin burns and eye damage.  
Causes serious eye damage. May cause long lasting harmful effects to aquatic life.  
Harmful to terrestrial vertebrates.

## PREVENTION STATEMENTS

Keep out of reach of children. Read label and Safety Data Sheet before use.  
Keep only in original container. Do not breathe fumes/vapours. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area. Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

## RESPONSE STATEMENTS

If medical advice is needed, have product container or label at hand.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair):  
Remove/Take off immediately all contaminated clothing. Rinse skin with water/  
shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable  
for breathing. IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses if present and easy to do. Continue rinsing.  
Call a POISON CENTRE or doctor/physician if you feel unwell. Wash contaminated  
clothing before reuse. Absorb spillage to prevent material damage.

## STORAGE STATEMENTS

Store locked up. Store in corrosive resistant container with a resistant inner liner.

## 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 aqueous solutions down the drain with plenty of water.  
The hydrolysis and neutralisation reactions may generate heat and fumes which can  
be controlled by the rate of addition and good ventilation.

BARCODE

4556-001

