



Dairy  
Farming



# OCTAKLEAN & OCTACID ONE

## NEW CHLORINE-FREE COMBINATION

SUPPORTING FARMERS IN EVERY CHALLENGE

## FOOD SAFETY STARTS ON THE FARM

Kersia as a long-standing dairy farmer partner and as an innovation driven company is committed to providing targeted solutions to fulfil the requirements of the modern dairy farm business. Including meeting the demands placed on farmers by milk processors and the sector alike, by limiting potentially harmful residuals, for a food safe world!

## MILK PRODUCTION RESIDUES

When cleaning and disinfecting the last rinsing phase is critical to ensure the reduction of residues that could remain in the milking parlour and the bulk milk tank. Chlorine, widely used for milking machine cleaning, can be a source of residues due to insufficient rinsing. The use of a chlorine-free cleaning program avoids the formation of these 2 sub-products:

**TCM:** With traditional chlorine wash programmes, chlorine mixes with the organic substances in milk and TCM's can be formed. When such milk is processed, the TCM's combine with the fatty phase resulting in products rich in fats, such as butter and milk powder, are facing high risk of becoming contaminated.

**Chlorate:** Chlorates are present in chlorinated detergents and chlorate levels increase as the chlorine breaks down during storage.

Kersia's priority is to support the method of evolution in milk production. Octaklean and Octacid One program for the milking parlour and bulk milk tank meets the chlorine-free requirements and provides significant added values:



*100% Kersia innovative product: New solution using different active ingredients, without compromising the undeniable need for effectiveness and simplicity*



*Offering alternative solutions: Alternative to chlorine and other controversial substances (i.e. EDTA, phosphoric acid, nitric acid)*



*Environmental impact: Products meeting future market expectations in terms of reducing discharge in the environment (i.e. no nitric or phosphoric acid, easy biodegradable substance)*



*Safe Regulatory status: EUROPEAN AUTHORISATION available for the disinfectant proposition*



### OCTAKLEAN

- Alkaline circulation cleaner suitable for use with all parlours (manual or electronic cleaning systems), bulk milk tanks
- Limit the release of controversial component into the environment: chlorine-free, phosphate-free and EDTA-free
- Biodegradable wetting agents
- Combination of caustic soda (NaOH) and caustic potash (KOH)
- Strong detergent efficiency, high cleaning performance, sequestrant concentration and effective causticity
- Low foaming, degreasing, anti-scaling and effective in hard water areas
- Usage at 0,7 % - Hot water (cold water possible) – 8 to 10 minutes

### OCTACID ONE

- Disinfectant acid based on octanoic acid
- Free of chlorine, quaternary ammonium compounds (QAC's), nitrates and phosphates
- 3 in 1 disinfectant, detergent and descaling solution effective at removing mineral deposit build-ups (methane acid-sulfonic action)
- Non-foaming
- Not corrosive to milking equipment
- BPR approval for EU area\*
- Usage at 0,8 % - Hot water – 5 to 10 minutes



### Example of a weekly wash program for milking machines



Circulation	AM (MORNING) HOT DETERGENT WASH		PM (EVENING) COLD DETERGENT WASH	
	OCTACID ONE	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
MONDAY	OCTACID ONE	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
TUESDAY	OCTAKLEAN	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
WEDNESDAY	OCTACID ONE	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
THURSDAY	OCTAKLEAN	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
FRIDAY	OCTACID ONE	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
SATURDAY	OCTAKLEAN	OCTAKLEAN	OCTAKLEAN	OCTACID ONE
SUNDAY	OCTACID ONE	OCTAKLEAN	OCTAKLEAN	OCTACID ONE

  

CLUSTER UNITS	OCTAKLEAN		OCTACID ONE
	HOT WASH	COLD WASH	HOT WASH
	0.70%	1%	0.80%
8 units	560 ml	800 ml	640 ml
10 units	700 ml	1,000 ml	800 ml
12 units	840 ml	1,200 ml	960 ml
16 units	1,120 ml	1,600 ml	1,280 ml
20 units	1,400 ml	2,000 ml	1,600 ml

\*Authorization number : EU-0021020-0001 1-1

NB: Recommended to use a peracetic acid sanitiser in the final rinse of the milking machine at 0.2%.

Disinfectants are regulatory biocides. They have guarantees of efficiency and protection of human, animals and the environment. Use biocides safely. Before use read the label and product information. Dangerous. Comply with precautions for use.



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Circulation

## TESTIMONIALS:

### Users of OCTAKLEAN and OCTACID ONE



#### **Niall O'Brien**, Waterford

210 high yielding Holstein Friesian Spring calving cows

**Milking parlour:** 24 unit Boumatic milking machine with milk meters + auto wash system + 3rd peristaltic pump for peracetic acid disinfectant

**Method:** "With our previous cleaning method, we add some thermoduric results around 1400 – 1600 but the 4 inch milk line was very dirty (especially the upper half of the stainless steel milk line). On the line, a purge/slug air blast system is present, creating a blast which fills the line with detergent a number of times during the wash cycle.

**General comment:** "After a deep cleaning, we began to use OCTAKLEAN in alternance with OCTACID ONE. Now, the large 4 inch milk line has remained totally cleaned since starting this new products combination. Immediately, the thermoduric results dropped to around 70."

#### **Pat Fitzgerald** (Baroda Farm), Tipperary

200 high yielding Holstein Friesian Spring calving cows

**Milking parlour:** 26 unit Dairymaster milking machine with sequential bailing and milk meters, auto wash system + 3rd peristaltic pump for peracetic acid

**Method:** "OCTAKLEAN and OCTACID ONE as per our weekly wash routine. Peracetic acid also being used in machine final rinse at 0.2%. Before, we used AUTOSAN BLUE and MILKSTONE REMOVER."

**General comment:** "Total bacteria count milk and thermoduric results are still correct.

*In addition, we observed a definite improvement compare to our previous cleaning method. We can consider that there was a detergency challenge in our milking installation as before there was deposits sticking to the sides of the washing bath and the product wasn't leaving it clean enough. From the use of the OCTAKLEAN, the stainless wash trough is now spotlessly clean."*



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Contact your local Kersia representatives to discuss the benefits of Chlorine-Free cleaning

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