

## STEROLAB

Chlorinated, High Alkaline Sanitizing Pink Powder

### Technical Data Sheet

#### **DESCRIPTION:**

Sterolab is a chlorinated high alkaline pink powder sanitizer. It is a 4 in 1 product providing cleaning, disinfecting, water softening, and deodorizing functions and therefore it shortens the cleaning process. It is a non foaming product and suitable for closed (CIP) and regular systems. Sterolab has a unique built-in indicator, which gives an indication if milk or other residues have not been fully removed.

#### **APPLICATIONS:**

Sterolab was specifically developed for dairy farms, milking equipment, and dairy factory applications and is used to clean and sanitize equipment (either manually or CIP) in the dairy/dairy farm, food and beverage industries.

#### **FEATURES & BENEFITS:**

- Kills bacteria and other germs and deodorizes surfaces and equipment.
- Sterolab offers maximum cleaning efficiency at minimal cost compared to liquid cleaners.
- Does not require any special equipment for use.
- Sterolab is a free free flowing non abrasive powder and offers a longer shelf life compared to chlorinated liquids: Loss of chlorine: STEROLAB 0.2% – 0.4% per year, Liquids lose about 0.5% per month.
- Non-corrosive to stainless steel, plastic, glass, etc.
- Safe to use.
- Dissolves easily in water and is non foaming.
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#### **Unique Built-In Color Indicator**

Sterolab contains a built-in indicator acting as a "private laboratory" and was specifically developed for dairy farms, milking equipment, and dairy factory applications. The solution's color changes from pink to grey/greenish when milk residues still exist in the system. A pink solution at the end of the circulation process ensures a completely clean system.



1% solution

Solution changed color with milk residue

## **CHARACTERISTICS**

**pH Content:** 11.0 – 12.5, and effectively removes fats and proteins

**Chlorine concentration:** 3.3% min. (typical 3.3% - 3.6%) provides disinfecting properties. Chlorine is efficient in destruction of the entire spectrum of microorganisms.

**Phosphate concentration:** 17% min. (typical 17.0% - 18.5%). Phosphates acts as an effective fat remover, providing water softening functions.

**Solubility:** 18 particles in 100 particles water at 25°C. The recommended dosage is 0.5% - 2.0% in water.

## **SPECIFICATION:**

Appearance:	Free flowing powder with a faint odor of chlorine
Color:	Pink
pH (1% sol.):	11.5-12.5
Available chlorine:	3.3% min
Bulk density:	650-750 gr/liter

## **DIRECTIONS FOR USE\*:**

**FOOD AND DAIRY INDUSTRY** - For cleaning and disinfecting stainless steel containers, filling equipment, bulk milk tanks, wine vats, pumps, cooling equipment and other machinery coming into contact with milk and other food products (wine/beer/beverage):

Prepare a solution of 0.5 kg – 2.0 kg (0.5-2%) grams Sterolab in 100 liters tepid water. Apply by brush/cloth or circulate for 10 minutes. Rinse with tap water.

For sanitizing surfaces in food service areas: use 4-5 grams/liter and apply by rag, mop, brush or spray.

## **DAIRY INDUSTRY**

**DAIRY FARMS** - Cleaning and disinfecting of all milking installations (closed systems):

**Step 1:** Preflushing - after milking, flush the system completely by circulating tap water for 10-15 minutes, until traces of milk are no longer visible.

**Step 2:** Prepare a solution of 400-600 grams Sterolab in 100 liters water (or 0.3-0.6% Sterolab solution to water) at 45C and circulate this solution for 15-20 minutes, paying attention to the color of the solution which is pumped back to the drainage. If the color changes from rose pink to a greenish tint, this indicates that the milk residues were not completely flushed out. In this case, repeat the procedure with a fresh solution of Sterolab, until the rose pink color remains.

**Step 3:** Finally, rinse with water for 10-15 minutes.

## **Bulk Milk Tanks:**

After emptying tank and rinsing, sprinkle Sterolab powder onto the wet tank, using enough water to allow for brushing on surface area. Caps and dipsticks should also be cleaned. Rinse off with cold water. For cleaning of the complete tank by circulation prepare a solution of 0.5 kg – 2.0 kg (0.5-2%) grams STEROLAB in 100 liters tepid water. Circulate for 10 minutes. Rinse with tap water.

## **SAFETY & STORAGE INSTRUCTIONS:**

Avoid contact with acids as it liberates toxic chlorine gas. Do not use on aluminum. Keep out of reach of children. In case of contact with skin, wash with plenty of cold water. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. Prevent dust inhalation. Wear plastic gloves, goggles and apron. Store in cool dry place. Avoid direct sunlight. Keep away from animal and animal feedstock. When not in use always keep container closed. Wipe over all spillages.

## **Packing:**

Packed in various packaging sizes including 25 Kgs polyethylene bags, 15 kg pails.

Other packing available upon request.

*Revised: 27-10-10*