

TECHNICAL DATA SHEET

ALICHLOR K

Potassium-based, chlorinated alkaline detergent, for hard water

Description:

ALICHLOR K is a liquid, active chlorine detergent, balanced so as to have high decolourising, oxidising power and an additive sanitising action. It is particularly suitable for use in hard water and can be easily rinsed. ALICHLOR K is used in agriculture for washing milking machines and refrigeration tanks; in the dairy processing industry for manually washing and sanitising plants, tanks, etc. by spraying or circulating sanitising solutions; in the beverage and brewery industry for cleaning tanks, pipes, drums, and various environments with an additive sanitising action; in the meat and fish processing industry for washing, sanitising and deodorising blood collection tubes, dissection halls, portioning rooms, etc.

Physical and chemical properties:

Physical Appearance:	Liquid
Colour:	Pale yellow
Odour:	Typical smell of chlorine
Density at 20 °C:	Approx. 1.24 g/ml
pH (1% sol. in H₂O):	Approx. 12.2
Active chlorine (1% sol. in H₂O):	350 ppm
Solubility in water:	Unlimited
Foam formation:	Absent

Effect on materials:

It does not corrode or stain stainless steel, glass, enamelled iron, PE, PVC, PP, PS at concentrations of use. It corrodes aluminium and galvanised iron. It oxidises copper, brass and bronze. As the chemical structure of plastic tank coatings is not known, it is recommended to perform preliminary compatibility tests on them.

Directions:

Agriculture: for washing centralised milking plants and refrigeration tanks, use at a 1% concentration at room temperature for 15-20'.

Dairy processing industry: for washing tanks, pipes and fillers use at a 0.5-1% concentration, at temperatures ranging from room temperature to 60°C for 3-10'.

Beer industry

- For washing horizontal tanks at a 2% concentration at room temperature for 10-30';
- For washing pipes at a 1-2% concentration, at temperatures ranging from room temperature to 60°C for 15-20';
- For washing fillers at a 1-2% concentration, at temperatures ranging from room temperature to 60°C for 10-20' or for several hours in the case of sanitising by filling the system with sanitising solution so that it comes into direct contact with the equipment;
- Regeneration of beer drums and kegs: It is done by filling containers with a 5% solution, which is left to rest at room temperature for at least 2-3 hours.



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Beverage industry

- Washing tanks, pipes, containers and fillers use at a 1-2% concentration, at temperatures ranging from room temperature to 50°C for 20-30'.
- Washing and sanitising draught systems in drink dispensing counters at a 3% concentration at room temperature for 20', followed by rinsing.
- Washing beverage dispensing assemblies; use at a 3% concentration at room temperature. For at least 20 minutes. Followed by rinsing

Meat and fish industry

For the deodorising, sanitising washing of equipment by hand or by circulation, use at a 1-2% concentration, at temperatures ranging from room temperature to 40°C for 3-20'.

Solution control:

Acidimetric method

Take 100 ml of ALICHLOR K solution, add a spatula tip of Sodium Thiosulphate and a few drops of Phenolphthalein.

Titrate with Hydrochloric acid 1N until red colouring disappears.

ALICHLOR K concentration % = ml Acid 0.1N x 0.55

Storage information:

Avoid improper use of the product. Store in original sealed packages or, where applicable, in special places or storage tanks away from extreme temperatures.

Refer to the Safety Data Sheet for information on handling and disposal of solutions.

IRCA SERVICE is not liable whatsoever for any improper use of the product.