



IDROSAN NR

Alkaline chlorinated detergent formulated for the utilization in organic industries

→ DESCRIPTION

As defined by the Council Regulation (EC) No 834/2007 of 28 June 2007 on organic production "Organic production is an overall system of farm management and food production that combines best environmental practices (....) The organic production method thus plays a dual societal role, where it on the one hand provides for a specific market responding to a consumer demand for organic products, and on the other hand delivers public goods contributing to the protection of the environment(...)».

In this perspective, AEB has formulated a new line of detergents designed to reduce environmental impact of cleansing operations in organic companies.

The detergents of the NR line are optimized and targeted with a view to reducing the pollutant load of the spent solution and packed in 70% recycled "second life" plastic cans.

Idrosan NR is a liquid, alkaline, chlorinated formulation for the automatic or manual cleaning and hygienization of plants and equipments in the dairy sector and food industries in general.

Idrosan NR is able to easily remove fat residues, proteins and grease from closed circuits. The presence of chlorine also grants the obtainment of an excellent hygienizing action.

Idrosan NR doesn't contain surfactants or synthetic sequestering agents, and it can be used for washings carried out with waters with an low hardness.

→ TECHNICAL CHARACTERISTICS

Physical appearance: clear yellow liquid

pH 5%: > 12

pH as it is: > 12

Relative density at 20°C: $1,20 \pm 0,05$

Active chlorine: 700 ppm in a 1% solution

Conductivity 1% sol. at 25°C: 6,66 mS/cm

The above indicated chemical-physical data represent the typical product's characteristics drawn from the analysis carried out on the product. These values are not a specification.

→ INSTRUCTIONS FOR USE*

Use **Idrosan NR** at variable concentrations between 0,5 and 5%, depending on the desired cleaning intensity. It has to be used in cold or warm water, by immersion, by filling, in closed lines, sprinkle, etc. for the time needed to remove organic deposits and to carry out a hygienizing action. It doesn't have corrosiveness to stainless steel, rubber, plastic and epoxy resins.





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Use it carefully on zinc-pleated materials.

The utilization on aluminium and surfaces treated with phenolic resins and nitro lacquered is discouraged.

→ FIELDS OF APPLICATION

For the cleaning and the discoloration of storage and fermentation tanks, cement, stainless steel, fiberglass and with epoxy resins-based coverings. For the cleaning of floors, walls (also covered by mildew), raceways and catch basins. For the hygienization of bottles through inline dosing in the penultimate rinsing of bottle washing machines (g 30-40/m³ of water).

For the detergence, discoloration and deodorization of filters, tubes, dosers, fillers and other bottling equipment, pasteurizers (for how concerning liquid to be treated).

→ COMPATIBILITY OF THE FORMULATION

Idrosan NR is compatible with most material normally present in food industries, if used according to the producer's indications. Do not use on aluminium, copper and zinc-plated iron and surfaces treated with phenolic resins. In case of doubt, carry out a test on the single material before using the product. Do not leave in contact for a long time.

→ PRECAUTIONS FOR HANDLING AND STORAGE

Store in the original containers and avoid extreme temperatures. Consult the Material Safety Data Sheet.

→ TITRATION METHOD

Sample: 50 mL of washing solution

Indicator: phenolphthalein

Titration agent: hydrochloric acid (HCl) 1N

% (w/w) **IDROSAN NR** = mL titration agent x 1,25

Note well: at the end of titration, it's necessary to verify the presence of residual alkalinity by adding some drops of indicator. If the solution tends to shading add the titration agent drop by drop and repeat the operation until the total disappearance of purple colour.

→ PACKAGING

23 kg net drums.

*The indications have been established for general use conditions. For conditions differing from the norm, for example depending on the particular water hardness, the working method or cleaning problems, please consult us; our technical service will be pleased to advise you and to cooperate with you.

