

MAGNA FRUIT-KLEEN



DESCRIPTION

Magna Fruit Kleen is a free flowing, colourless, odourless, non-toxic cleaning solution.

It is an aqueous solution of lauryldimethylbenzyl ammonium chloride containing active organic bactericide, for the brewing, soft drinks and food stuffs industries.

An excellent cleansing solution for fruits and vegetables, to remove pesticides and fortified with antimicrobial properties.

APPLICATIONS

BREWING INDUSTRY

Magna Fruit-Kleen is recommended for the disinfection of fermenting vessels, storage and conditioning tanks, mains and pipelines, priming vessels, hoses, bottling plants and ancillary equipment.

For most purposes a concentration of 2.3 ml of Magna Fruit Kleen in 1 litre of water is sufficient. In treating very badly scratched or porous surfaces it may be necessary to increase the dosage of Magna Fruit-Kleen to 4.6 ml in 1 litre of water.

For the prevention of microbiological growth in pasteurizer water a dosage of 15.3 ml in 100 litres of water is usually sufficient.

SOFT DRINK INDUSTRY

A solution containing 2.3 ml of Magna Fruit-Kleen in 1 litre of water is recommended for the disinfection of syrup mixing pans, syrulers, mains, pipelines and fillers. Bottle stoppers may be soaked in a similar solution until required for use.

FOOD PROCESSING INDUSTRY

Magna Fruit-Kleen is suitable for the disinfection of various types of plant and equipment used in the food processing industry, namely homogenizers, pans, tanks, refrigerators, heat exchangers, bowls, trays, conveyor belts, and mixing, mincing and kneading plant.





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FRUIT-KLEEN ADVANTAGES

The advantages in use of Magna Fruit-Kleen may be summarized as follows :

- Satisfactory bacteriological standards are ensured by disinfecting plant and equipment with Magna Fruit-Kleen because this bactericide retains its activity well in the presence of organic matter and in hard water.
- Good Shelf life of product and freedom from taint are maintained, in bottled beers and other beverages, by including Magna Fruit-Kleen in the cleaning and disinfection routines of the premises and plants concerned.
- Economy in use because Magna Fruit-Kleen controls a wide range of organisms at low dosages.
- Freedom from plant corrosion problems attributable to the disinfectant, because Magna Fruit-Kleen exhibits no corrosive action in normal use.
- Safety in use because Magna Fruit-Kleen is of very low mammalian toxicity.
- Ease of application because Magna Fruit-Kleen is a mobile liquid, readily miscible with hot and cold water.
- Non-corrosive - Stainless steels, aluminium alloys, tinned steel, tinned copper, copper, brasses, cupro-nickel, nickel and monel are no more affected by Magna Fruit-Kleen at the recommended dilutions than by water alone. Vitreous glazes and plastics are unaffected by Magna Fruit-Kleen.

ANTIMICROBIAL ACTIVITY

BACTERICIDAL ACTIVITY

In vitro laboratory tests have demonstrated that aqueous solutions of Magna Fruit-Kleen are rapidly bactericidal towards a wide range of bacteria and yeasts, in the vegetative state, including the following organisms: Escherichia coli, Salmonella typhimurium, Salmonella typhosa, Staphylococcus aureus, Streptococcus spp, Saccharomyces cerevisiae and 'wild' yeasts. Under laboratory conditions a virtually 100% kill of these organisms is obtained in a few minutes using 1 : 325 to 1 : 650 dilutions of Magna Fruit-Kleen.

BACTERIOSTATIC ACTIVITY

At concentrations considerably lower than those required for bactericidal activity, Magna Fruit-Kleen brings about bacteriostasis, that is, micro-organisms are prevented from reproducing without actually being killed. In general, this occurs at Magna Fruit-Kleen dilutions of the order of 1 : 3250 to 1 : 6500.

FUNGICIDAL ACTIVITY

Moulds are more resistant to quaternary ammonium compounds than are bacteria and yeast, and high-than-normal dosages of Magna Fruit-Kleen are necessary to achieve fungicidal effects. In the case of resistant moulds, concentrations of Magna Fruit-Kleen up to 1 : 130 may be necessary.

PHYSICAL PROPERTIES

COLOUR
Colourless

SPECIFIC GRAVITY
1.02

VISCOSITY
Free Flowing Liquid

ODOUR
Odourless

pH
7.5 - 8

FLASH POINT
Non-Flammable

For more information on Magna products, please email to magnaintl@pacific.net.sg.



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