

# Technical Bulletin

# Kloralkaform

## Chlorinated Foaming Detergent

### Product Description:

Routine use of Kloralkafoam is indicated where the desire is to render all inanimate surfaces for which the product is recommended, both physically clean and free from most common bacteria. Kloralkafoam is a complex of synthetic detergent types providing an unusual detergent system, which exhibits superior wetting, penetrating and chemical degradation of common soils, oils and greases. Kloralkafoam wets the surface to be cleaned and penetrates the soils to be removed from it, lifts the soils into solution and holds the soils in suspension in the liquid so that rinsing can be effected very thoroughly. Kloralkafoam removes and suspends soils so thoroughly that subsequent rinsing with fresh water is unnecessary and may be eliminated. In addition, Kloralkafoam has been provided with an alkaline booster which enables the product to go on cleaning long after ordinary detergents are exhausted. The formulation has been built with special water-conditioning agents to ensure that its bacterial and detergency characteristics are retained in waters up to 200 parts per million total hardness.

AQIS APPROVED UNDER CATEGORY 1 FOR USE AS A GENERAL CLEANER TYPE A.

Kloralkafoam is effective against a wide range of micro-organisms including Gram-positive and Gram-negative bacteria such as staphylococcus aureus, Pseudomonas aeruginosa, the Shigella species, Escherichia coli, etc and against yeasts (eg. Hansenula), moulds (eg. Aspergillus niger), fungi (eg. Trichophyton species), and the tubercle bacillus, Mycobacterium tuberculosis. There is much written evidence that active chlorine as hypochlorous acid in solution is viricidal. However, because of the difficulty of carrying out viricidal testing in Australia it is felt that it would be judicious if this claim is not made for Kloralkafoam until it can be proved.

### ANTI-ODORANT ACTIVITY:

In addition to the antimicrobial features of Kloralkafoam the formulation provides significant anti-odorant activity. Kloralkafoam chemically negates many obnoxious or unacceptable odours arising from bacterially promoted putrefactive processes. Unlike other formulations in which chlorine is employed as the antimicrobial agent Kloralkafoam has a low odour-level which has been described as "most acceptable" by operators. The product leaves no residual odour of its own.

### Application:

Kloralkafoam is designed for use in food processing and kitchen areas, where it is necessary to sanitise and remove organic soils such as meat fats and grease from hard floor surfaces.

Kloralkafoam is ideally suited for the cleaning and disinfectant of shower, bath areas, wall and floor tiles where a high degree of hygiene is essential. Also swimming pools for the removal of body oils, fats and scum line. Schools, hotels, motels, institutions, public buildings and industrial plants have application for a product with Kloralkafoam's performance characteristics.

Kloralkafoam may be used at a dilution of 1:60 to 1:100 for washing a wide variety of surfaces such as floors, walls, partitions, equipment, furniture, machinery, stoves, refrigerators, etc. Because the product is alkaline boosted it is not recommended to be used in situations where hands come into prolonged contact with the solution, such as hand dish washing operations.

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## Operator:

Because of their combined de-fatting and oxidising action Kloralkafoam solutions may cause irritation of the skin. It is therefore recommended that rubber gloves be worn in manual cleaning operations. Kloralkafoam solutions should not be stored in tanks constructed of aluminium, cast iron, tinned iron or steels. They can be stored with complete safety in ceramic ware, rubber, Durachlor, concrete, stoneware and glass. At normal use-dilutions Kloralkafoam solutions are non-corrosive to stainless steel, tinned copper, tinned iron, glass or most other surfaces commonly used on food processing equipment. NOTE: Kloralkafoam solutions cannot be used where prolonged contact with aluminium surfaces is required.

## Food Safety Statement/Fitness For Purpose:

With regard to the use of this product as a cleaner and / or sanitiser that may have incidental contact with food:

- 1) The raw materials / ingredients of this product are permitted as processing aid as listed under clause 12 of the Food Standard Code 1.3.3 (Food Standards Australia New Zealand FSANZ) or
- 2) Are Generally Regarded As Safe (GRAS) according to the US Food and Drug Administration (FDA) or are recognised in the US Code of Federal Regulations (CFR) Title 21 part 178 as indirect food additives.
- 3) An FFP - Fit For Purpose Statement is available for this product when used in an export meat facility.

When used in accordance with the directions described in this product technical bulletin, this product complies with these recognised food safety parameters.

**SHELF LIFE:** As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 6 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material.

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