

Technical Bulletin

Alto-Plex

Foaming Poultry Shed Alkaline Detergent

Product Description:

ALTO-PLEX is a NON DG biodegradable surfactant focused alkaline detergent formulated for use in poultry shed cleaning. Stable foaming alkaline cleaner that rapidly removes protein, fat and carbohydrate soils from surfaces.

Application:

Cleaning includes the removal of all visible organic and inorganic matter from various surfaces within the poultry shed. An effective cleaning step is crucial for the efficiency of the disinfectant used for sanitisation. The efficacy of the disinfectant is based on the presence or absence of organic matter. Effective decontamination includes the following steps: (1) dry cleaning; (2) wet cleaning; (3) rinsing; and (4) sanitisation (*refer to Guidelines for Decontaminating a Poultry Shed, AgriFutures Australia publication no. 23-027*)

ALTO-PLEX forms part of the Wet Cleaning program as outlined in the guidelines. This is the second step in the cleaning process, and the most critical step to achieving successful decontamination, as properly cleaned surfaces are much easier to sanitise. The detergent selection must be based on the capacity of the detergent to solubilise soils and organic matter and must be safe on the surfaces being cleaned.

The detergent must also thoroughly wet out (penetrate) the soils and hold them in solution, enabling them to be readily rinsed off. Foam detergent is a particularly effective and highly recommended chemical for cleaning. This is because the foam bubbles continue collapsing onto the surface, enabling a prolonged release of the active chemical. The active chemical has a longer contact time with the surface to penetrate and solubilise organic matter.

However, when the environmental temperature is high during summer, the cleaning chemical may dry on surfaces before rinsing. In such cases, the contact time must be adjusted to ensure the rinsing step is carried out before the chemical dries. The operator must be aware of these risks and carefully observe the drying time. The air, water and chemical ratio are critical to achieving the right foam consistency, so it lasts on surfaces for at least 15 minutes.

The sequence of cleaning is critical for effective decontamination. We refer the operator to *Guidelines for Decontaminating a Poultry Shed, AgriFutures Australia publication no. 23-027* – page 13 & 14. Castle can supply a copy on request.

Dilution

ALTO-PLEX can be diluted to suit the level of soiling & the frequency of cleaning. We have shown effecting cleaning with Alto-Plex at dilutions of 1:40 – 1:80. Dilution effectiveness will depend on soil loading , cleaning frequency & effectiveness

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.

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CASTLE CHEMICALS