

Technical Bulletin

Duplex

Acidic Detergent Biocide with PHMB

Product Description:

DUPLEX has been developed to take advantage of new generation of biocidal active ingredients to produce an acidic detergent product that both removes wine films and other organic soils and disinfect stainless steel and other surfaces used in wine and food preparation areas.

With food safety still being the Industry's number one concern, DUPLEX is formulated to high performance standards ensuring fast and effective removal of films and proteins.

Acid active is food grade Citric acid combined with powerful surfactants and chelating agents to give effective action from 'food safe' compatible ingredients. All raw materials are non tainting and DUPLEX can be introduced to replace chlorine systems.

DUPLEX low foaming characteristic means less foam, less time to rinse. No clogged equipment and no pump cavitation. DUPLEX provides labour and time savings!

DUPLEX contains an effective low toxicological biocide, PHMB Polyhexamethylene Biguanide Hydrochloride with a proven capability against many organisms found in these cleaning applications. MIC data for PHMB available on request from Castle Chemicals.

Application:

DUPLEX should be used within system cip cleaning regime. Dilute duplex at or between 0.5 - 1.5% (soil dependant) with cold (20 - 30c) mains water. mix briefly in pre clean tank, then pump / spray around system for between 5 and 10 minutes to loosen remove soils. Persistent soil may require some agitation / stronger concentration or longer contact time. Do not mix with chemicals not specified on the product label.

Food Safety Statement:

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 aids' 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.

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 12 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.