



## Sparkle Powdered Machine Dishwashing Detergent

### Product Description:

Is a caustic powdered heavy duty alkaline detergent. The effectiveness of a machine dishwashing detergent relies on its ability to rapidly penetrate the soil on dishes and glassware, remove and then emulsify or disperse them. At the same time this detergent action must not produce excessive foam, which may impair the cleaning action of the detergent solution. The detergent must also be capable of performing in water of varying degrees of hardness. Excessive hardness can result in a film or scale, which can be deposited from the wash water to dishes, glassware, cutlery or the machine itself. Hard water not only clouds the sparkle on glassware and dulls the lustre of dishes, but acts as a germ trap which interferes with the effectiveness of removing and destroying the bacteria. Regardless of the cleaning effectiveness of the dishwashing compound clean articles cannot be obtained if the dishwashing machine is dirty, scaled or the jets clogged by scale and food deposits. Jets clogged by hard water deposits cannot deliver a sufficient quantity of detergent spray to achieve clean articles.

SPARKLE contains wetting agents and emulsifiers, which have been scientifically blended to rapidly penetrate and remove the soils from dishes, glassware and cutlery. SPARKLE contains dispersants to ensure that the removed soils are not redeposited onto the cleaned articles. SPARKLE contains: water conditioning agents to prevent both scale build up or corrosion in the machine prevents clogging of the jets and also maintains hard water minerals in suspension which helps to provide higher standards of dishwashing.

### Application:

The dishwashing machine should be charged with SPARKLE at the rate of 1.5 grams/litre. For best results the pH of the wash solution should be maintained at a minimum of 11 and the temperature at 70°C to 85°C.

### 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.

Page 1 of 1