



# TECHNICAL BULLETIN

## GREEN-PRO SUPERGREEN

Food Grade Hand Dishwashing Detergent Concentrate



### DESCRIPTION

**CASTLE GREEN-PRO SUPERGREEN** is one of a new generation of Castle 'Green Pro' Environmentally aware products. **CASTLE GREEN-PRO SUPERGREEN** has been specifically formulated to meet the criteria for ACCORD's "Recognised" labelling requirements as a Hand Dishwashing Detergent.



### A VIABLE GREEN ALTERNATIVE

**CASTLE GREEN-PRO SUPERGREEN** is a 'no compromise' formulation; there should be no need to accept a trade off in performance to be kind to the environment. As part of the Eco Label program, **GREEN-PRO SUPERGREEN** has to be proven to be fit for purpose. Castle Cleaning Solutions and our suppliers have developed a series of laboratory procedures that have demonstrated the exceptional capabilities of this unique new formulation.



### Fat residue on plates – 16<sup>th</sup> plate



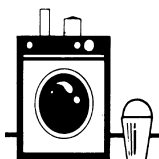
Regular Market Product



Market Leader



Castle Formulation with APG



#### Test Conditions

Soil: Fat (with dyestuff)

Temperature: 50°C

Water Hardness: 110mg/l CaCO<sub>3</sub>

Dosage: 0.60g/l

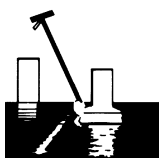


A green clear liquid; **CASTLE GREEN-PRO SUPERGREEN** contains no Phosphates, EDTA, Alkyl Phenol Ethoxylates or derivatives. The biobased surfactant package has been selected to include raw materials that are all classified as 'readily biodegradable' with respect to OECD 301 test methods.



### AREAS OF APPLICATION

**CASTLE GREEN-PRO SUPERGREEN** can be used for all types of hand dishwashing either neat or following dilution. **GREEN-PRO SUPERGREEN** gives stable long lasting foam that rapidly thoroughly cuts through grease and lifts soils from crockery, glass, cutlery, pots and pans. **CASTLE GREEN-PRO SUPERGREEN** has an optimum grease cutting capability between 50 and 60°C.



**CASTLE CHEMICALS PTY LTD**

For Every Cleaning Solution

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### DILUTION

As a concentrated product, **CASTLE GREEN-PRO SUPERGREEN** may be diluted to a standard concentration of 10mL per 10Ltr for Heavy Soil (1.0g/l) and Dilute at 6mL per 10Ltr **GREEN-PRO SUPERGREEN** for Medium Soil (0.6g/l). Always add water before adding **CASTLE GREEN-PRO SUPERGREEN**.

### 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 24 months from the label printed date of manufacture.

### USE WITH SEPTIC STYLE WASTE SYSTEMS.

When used as per the recommendations and concentrations of this Technical Bulletin, **CASTLE GREEN-PRO SUPERGREEN** is safe to use with septic waste tank systems.

### FOR REFERENCE ONLY

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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