

Technical Bulletin

Sani Soft Sour

Laundry Sanitiser / Fabric Softener / Sour

Product Description:

SANI-SOFT-SOUR is a three in one laundry product. Used in a rinse cycle it sanitises, softens and sours the laundry items. At recommended addition rates SANI-SOFT-SOUR will achieve a 99.9% (Log3) reduction of growth of bacteria in cotton fabrics. Fabric treated with SANI SOFT SOUR will be protected for hours and the proliferation of unwanted germs will be strongly inhibited.

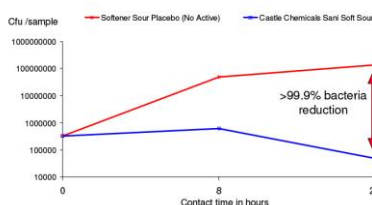
Application:

Australian Standards AS/NZS 4146:2000 refers to disinfection in section 3.5. Essentially the standard refers to both thermal [a) 65 C for not less than 10 Minutes or b) 71 C for not less than 3 Minutes] and chemical disinfection. Any chemical means should be equivalent to the thermal method. AS/NZS 4146:2000 section 3.5.1 refers to typical reductions of 100 fold (Log2) in a hospital laundry process; Figure 3 of the standard shows a reduction from 150 counts to approx 10 counts after washing, again demonstrating a bacterial reduction around a log2. When tested to the American Standard AATCC 100-1998, SANI SOFT SOUR achieved a Log3 reduction in Gram-positive Staphylococcus aureus and the Gram-negative Klebsiella pneumoniae that is a reduction of ten times more in counts than suggested by the Australian Standard.

When temperatures for thermal disinfection in washing are not able to be achieved, SANI-SOFT-SOUR, can provide the protection required and continue to protect for hours. The continued proliferation of germs has been proven to be strongly inhibited for up to 24 hours.

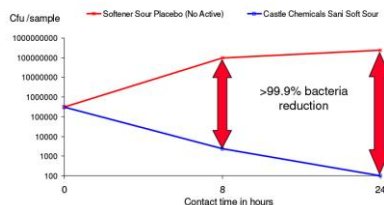
Persistent bactericidal efficacy on fabric

Test Germ: Staphylococcus aureus ATCC 6538



Persistent bactericidal efficacy on fabric

Test Germ: Klebsiella pneumoniae ATCC 4352



Graphs show reduction in counts for two different organisms over time (hours) for a wash with a placebo softener sour (no active) vs. a wash with SANI SOFT SOUR. (Further info. on testing to AATCC 100-1998 available from Castle Chemicals.)

In a commercial front-loader with 23kg load and 92L of water (high level) the addition of 60ml of SANI-SOFT-SOUR will provide a balance of sufficient softener, sour to neutralise wash and a proven dosage of the built in antibacterial biocide to ensure an effective kill of bacteria, fungus and germs and on going protection from proliferation of germs.

Domestic / Hand Dosage

Top Loader - 6kg wash load use 20ml (final rinse only)

Front Loader - 6kg wash load use 15ml (replace fabric softener) In – House – Laundry

Commercial Front loader - 23kg on high level (97L) use 60ml in rinse.

Compatibility with Castle Chemicals Laundry detergents.

SANI SOFT SOUR should only be used separately in the final rinse, or as a normal softener addition where there is a fabric softener compartment.

SANI SOFT SOUR is suitable to follow in the rinse after all Castle Chemicals Detergents:- Washbright, Superior, Monarch, Easy Wash Multizyme Plus.

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. 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.