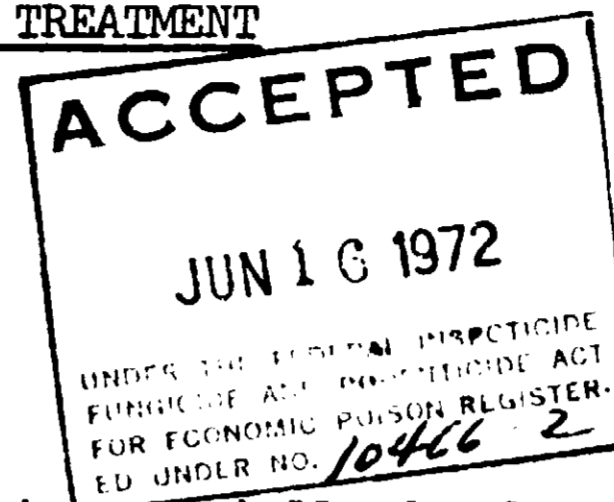




STERI-SEPTIC "U" CATIONIC UNDERWEAR FABRIC TREATMENT



PACKAGING

In 5 gallon pails and 45 gallon drums.

PRODUCT DESCRIPTION

STERI-SEPTIC "U" Cationic is a milky aqueous emulsion specially developed for inhibiting the growth of bacteria on underwear, thus reducing odour formation. This product, when applied according to recommendations, will last through at least 50 conventional launderings.

This formulation has been developed to deal specifically with those conditions associated with underwear, special care being taken to prepare a product that will not cause any reaction with the most sensitive of individuals. STERI-SEPTIC "U" Cationic may be applied to all underwear fibres, both natural and synthetic.

PHYSICAL PROPERTIES

Boiling Point	- 214°F
Freezing Point	- 31°F (emulsion breaks down if chilled to freezing point)
Specific Gravity	- 0.999 at 68°F

BIOLOGICAL ACTIVITY

<u>Organism</u>	<u>Minimum Concentration (ppm of product) for complete inhibition of growth in Broth Cultures, as determined by tube-test</u>
Bacillus mycoides	14
Bacterium ammonigenes	100
Staphylococcus aureus	96

TOXICITY

The acute oral LD<sub>50</sub> of STERI-SEPTIC "U" Cationic on rats is 20,000 mgm/kg. of body weight.

Extensive patch tests on human subjects have shown that fabrics treated with the recommended level of STERI-SEPTIC "U" Cationic are neither skin sensitizers nor primary skin irritants. This has been confirmed by the use of STERI-SEPTIC "U" Cationic on garments that have been sold nationally in Canada for 16 years without a single instance of consumer complaint.

APPLICATION PROCEDURES

1. Fabric

(a) Exhaustion Procedure

STERI-SEPTIC "U" Cationic should be added at the level of 1.25% on the weight of the goods. The bath ratio is not critical. STERI-SEPTIC "U" Cationic can be added in the same bath as cationic or nonionic softeners or anti-statics.

The STERI-SEPTIC "U" Cationic should be added to the cold liquor (room temperature), run for 10 minutes cold, and then the temperature raised to 140°F over a period of 20 minutes. The bath is maintained at this temperature for a further 20 minutes, and then dropped.

(b) Padding

The padding bath is prepared so that, allowing for the expected pickup, a level of 1.25% STERI-SEPTIC "U" Cationic on the weight of the goods is picked up by the fabric.

(c) Co-Treatment with resins

STERI-SEPTIC "U" Cationic is compatible with most resin systems. If a compatibility problem is apparent, the nonionic or anionic versions of STERI-SEPTIC "U" can be used with a given resin system.

2. Yarn

Underwear yarn can be treated in package form also. The STERI-SEPTIC "U" Cationic is added to the cool liquor at a level of 1.25% on the weight of the goods. The liquor is circulated cold (room temperature) for 10 minutes, then the temperature increased to 140°F over 20 minutes. The liquor is maintained at this temperature for 20 minutes, following which the liquor is dropped. Cationic or nonionic softeners or anti-static agents can be added in the same liquor as the STERI-SEPTIC "U" Cationic.

PRECAUTIONS

STERI-SEPTIC "U" Cationic, in the concentrated form, should be handled with the care and common sense that should be accorded to all biologically active chemicals. Immediate washing is recommended if contact should occur.