

TECHNICAL BULLETIN

PURELL® Hand Sanitising Foam Technical Data

DIRECTIONS: Place enough product in your palm to thoroughly cover your hands. Rub hands together briskly until dry

Physical Properties

Active Ingredient: 0.3% Triclosan
Appearance: Clear colorless to pale yellow solution
Fragrance: Fragrance Free
Form: Liquid dispensed as Foam
pH: 4.5-7.5

Ingredients

INCI Name*	Ingredient Class
Aqua	Carrier
Alcohol	Solvent
Isopropyl Alcohol	Solvent, Denaturant
PEG-10 Dimethicone	Hair Conditioning Agent, Skin Conditioning Agent
Triclosan	Antimicrobial Agent
Lauramidopropylamine Oxide	Surfactant, Cleansing Agent
PEG-10 Allyl Ether	Hair Conditioning Agent, Skin Conditioning Agent
Citric Acid	pH Adjuster

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Irritancy Data and Allergy Test Results

21 Day Cumulative Irritancy Assay with Delayed Challenge

Objective: Evaluation of skin irritation potential in humans.

Description of Test: Phillips et al (Toxic and Applied Pharmacology 21:369-382) summarizes the method utilized for this evaluation. Fresh materials are applied daily, 6 days per week, for 21 days to the same site (patches were not moved or reapplied on the Sundays).

Independent Laboratory: RCTS, INC. Irving, TX USA

Date: 20 December 2007

Results: Average Score = 0.28 (scale 0 – 4); No sensitization occurred.

Conclusions: Probably Mild in Use.

Efficacy Data – *In Vitro*

European Standard EN 13727 DRAFT FOR REVISION (April 2006) Test

Objective: To determine basic bactericidal activity of test product.

Description of Test: European Norm EN 13727 DRAFT FOR REVISION (April 2006): Quantitative suspension test for the evaluation of bactericidal activity in the medical area (phase 2, step 1).

Independent Laboratory: HygCen Centrum für Hygiene und medizinische Produktsicherheit GmbH, Schwerin, Germany

Date: February 25, 2008

Conclusions: According to EN 13727 DRAFT FOR REVISION (April 2006), the test product possesses a bactericidal activity at 20°C under clean conditions (0.03% bovine albumin) in 1 minute for the referenced strains *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541, *Pseudomonas aeruginosa* ATCC 15442 and *Escherichia coli* NCTC 10538 when diluted at 80, 50 and 25% (v/v) in distilled water.

European Standard DIN EN 1040 (March 2006) Test

Objective: To determine basic bactericidal activity of test product.

Description of Test: European Norm DIN EN 1040 (March 2006): Quantitative

suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics (phase 1).

Independent Laboratory:
Date:

HygCen Centrum für Hygiene und medizinische Produktsicherheit GmbH, Schwerin, Germany
February 25, 2008

Conclusions:

According to DIN EN 1040 (March 2006), the test product possesses a bactericidal activity at 20°C in 1 minute for the referenced strains *Staphylococcus aureus* ATCC 6538 and *Pseudomonas aeruginosa* ATCC 15442 when diluted at 80, 50 and 25% in distilled water.

European Standard DIN EN 1275 (March 2006) Test

Objective:
Description of Test:

To determine yeasticidal activity of test product.
European Norm DIN EN 1275 (March 2006): Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics (phase 1).

Independent Laboratory:
Date:

HygCen Centrum für Hygiene und medizinische Produktsicherheit GmbH, Schwerin, Germany
February 25, 2008

Conclusions:

According to DIN EN 1275 (March 2006) the test product possesses a yeasticidal activity at 20°C in 15 minutes for the referenced strain *Candida albicans* ATCC 10231 when diluted at 80% (v/v) in distilled water.