

STOKO® Refresh

INSTANT HAND SANITIZER GEL

PRODUCT INFORMATION



STOKO® REFRESH 4 in 1 Instant Hand Sanitizer Gel is an Ethanol based gel that sanitizes hands without water. Kills 99.99% of common germs that can cause illness including MRSA. The product is also biobased in accordance with the USDA's BioPreferredSM program.

Description

STOKO® REFRESH 4 in 1 Instant Hand Sanitizer Gel is an alcohol-based sanitizer for rapid germ killing activity when hand-washing facilities are not readily available. Demonstrates a greater than 99.99% kill in 15 seconds or less against antibiotic-resistant bacteria including MRSA and VRE. Kills 99.99% of common germs that can cause disease.

Contains a conditioner which leaves the skin feeling soft and smooth after the product dries, and does not leave a tacky after-feel like emollient-containing formulations often do. In the 21-Day Cumulative Irritation Test; product demonstrated to be mild to the skin and showed no sign of skin sensitization.

Each refill features the Hygeni-Lok® system which ensures a safe, clean, hygienic product, free from germs and bacteria. The bottle and pump are completely replaced with every changeout providing a fresh new system each time. The high performance patented gel pump provides ample product for thorough sanitizing.

USDA BioPreferredSM.
SKU#35232 500ml
Provides up to 500 pumps per 500ml refill.

SKU#35234 1000ml
Provides up to 1000 pumps per 1000ml refill.

Directions for Use

- Apply STOKO® REFRESH 4 in 1 Instant Hand Sanitizer Gel to hands and rub thoroughly, making sure to get between fingers and under fingernails, until hands are dry.
- Do not rinse or wipe off gel.

Ingredients

Active Ingredient: Ethanol (62%)

Deionized Water
Isopropanol
Hydrogenated Starch Hydrolysate
Carbomer
THP Ethylenediamine
Fragrance

Feature	Benefit
Ethanol-based gel that sanitizes hands without water	Ideal for killing germs when water is not available
Kills 99.9% of common germs that can cause disease	Proper sanitizing can help to prevent colds and flu and the spread of germs to others
Contains a conditioner	Alcohol can be drying to the skin; conditioner helps to keep skin from drying out
Easy to change refill	"Click N' Go" changeouts are simple, fast, and efficient
Attractive, durable dispenser	Perfect for highly visible & high traffic areas
New pump with every changeout	For better hygiene

Time Kill Results

% Reduction after 15 seconds

Bacterial Strains

<i>Acinetobacter baumannii</i>	>99.9
<i>Clostridium difficile (vegetative)</i>	99.74
<i>Enterobacter aerogenes</i>	>99.8
<i>Pseudomonas Aeruginosa</i>	>99.9
<i>Escherichia Coli</i>	>99.9
<i>Staphylococcus Aureus</i>	>99.9
<i>Staphylococcus epidermis</i>	99.8
<i>Streptococcus Faecalis</i>	99.9
<i>Aspergillus Niger</i>	97.63
<i>Enterococcus faecalis</i>	99.6
<i>Kiebsiella pneumoniae</i>	>99.9
<i>Proteus mirabilis</i>	99.9

Yeast Strains

<i>Candida Albicans</i>	99.4
<i>Candida tropicalis</i>	96.1

Antibiotic Resistant Bacterial Strains

<i>Staphylococcus aureus MRSA</i>	>99.9
<i>Streptococcus pneumoniae</i>	>99.9
<i>Haemophilus influenzae</i>	99.0
<i>Serratia marcescens</i>	99.2
<i>Enterococcus faecium VRE</i>	99.9



Skin Compatibility Tests

All ingredients of STOKO® REFRESH Instant Hand Sanitizer Gel are tested to assure user comfort and effective skin protection. The product demonstrated a good skin compatibility in thorough clinical testing.

TABLE:

Table: skin compatibility of STOKO® REFRESH Instant Hand Sanitizer Gel in the modified Dühring Chamber Test ¹⁾

Product	Irritation ²⁾ X	Application Time ³⁾ h (hours)	Relative skin compatibility ⁴⁾ A
STOKO® REFRESH Instant Hand Sanitizer Gel	2.4	20.2	13.0

- 1) n=23
Test period: March, 1998
Test concentration: undiluted
$$A = \sqrt{\frac{h}{X}}$$
- 2) Accumulated irritation mean average value for reddening, scaling and chapped skin, each visually calculated according to a value scale from 0 (no symptoms) to 4 (strongest symptoms).
Maximum value x = 12 (strongest symptoms)
- 3) Maximum application time h = 48 hours (24 hr/day on 3 consecutive days).
- 4) Expression of a non-linear ratio between the skin irritation found and the application time of the product.

Source: Certificate from the Dermatological Clinic of the Municipal Hospital, Krefeld, May, 1998.

First Aid

For external use only. If STOKO REFRESH® Instant Hand Sanitizer Gel accidentally enters the eyes, flush immediately with lukewarm water and contact a physician. Discontinue use if irritation or redness develops. If condition persists for more than 72 hours, consult a physician. Keep out of reach of children. If swallowed, call your physician.

Storage Information

STOKO® REFRESH Instant Hand Sanitizer Gel can be stored in a closed container for at least 24 months at room temperature.

All STOKO® Skin Care products are tested for stability at temperatures between 23°F and 104°F. When tested at temperatures below 41°F and above 86°F, the products begin to fluctuate in viscosity. For optimum dispensing performance, room temperature is recommended. For storage and use, keep from freezing temperatures.

Flammable

Keep away from fire and flame. For external use only.

Additional Information

Occupational skin irritation, frequent washing or harsh climates can lead to dry, rough and chapped skin. This condition can result in irritation/rupture of the outer layer of the skin which impairs its natural protective function. To help regenerate damaged tissue after work, the skin should be regularly treated with Stoko Lotion, Stokolan or Stoko SkinRelief. In doing so, the skin is replenished with moisture, lipids and hydrophilic nutrients. People who already have extremely rough or very dry skin are advised to use a before-work, barrier-like cream with high oil content. Contact STOKO Skin Care or its appointed distributors for advice on selecting the appropriate products.

For MSDS, visit www.stokoskincare.com



STOKO® Skin Care

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