



CLEANSING



STOKO® REFRESH 4 in 1 Mild Liquid is a Green Seal™ certified skin cleanser for light cleansing with strong washing power and good skin compatibility. The product is also biobased in accordance with the USDA's BioPreferredSM program.

Description

STOKO REFRESH® 4 in 1 Mild Liquid is a soap-free skin cleanser with strong washing power and good skin compatibility. It thoroughly cleans all light dirt which can be removed without the use of scrubbers and solvents. To improve skin compatibility, STOKO REFRESH® 4 in 1 Mild Liquid contains a mild surfactant made up of sugar tensides.

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 liquid pump provides ample product for thorough lathering and cleansing.

Green Seal™ Certified and USDA BioPreferredSM.
 SKU#34978 1000ml
 Provides up to 1000 pumps per 1000ml refill.

Directions for Use

- Rub small amount of Mild Liquid thoroughly onto dry hands.
- Add a little water and continue washing.
- Rinse with plenty of water and dry thoroughly.

Ingredients

- Water
- Sodium Laureth Sulfate
- Sodium Chloride
- Cocamidopropyl Betaine
- PEG-6 Caprylic / Capric Glycerides
- C12-C13 Alkyl Lactate
- Decyl Glucoside
- Fragrance
- 2-Bromo-2-Nitropropane-1,3-Diol
- Citric Acid
- Blue 1
- Yellow 5



Feature	Benefit
pH balanced for good skin compatibility	Gentle to the skin even with everyday use
Concentrated formulations	Less cleanser needed per handwash but still offers effective cleansing power
Easy to change bottle	"Click N' Go" changeouts are simple, fast, and efficient
No-drip valve	No soap puddles on countertops, sinks and floors
Attractive, durable dispenser	Perfect for front-end restrooms
New pump with every changeout	For better hygiene
Pleasant fragrance and feel.	Encourages handwashing
Excellent lathering properties	Easily covers skin surfaces and promotes sustained handwashing

Skin Compatibility

Under conditions of a Human Patch Test, no evidence of primary irritation or allergic hypersensitivity was found. No negative reactions occurred after 24, 48 and 72 hours.

Skin Compatibility Tests

STOKO REFRESH® 4 in 1 Mild Liquid skin cleanser has been subjected to clinical testing for its skin compatibility with good results (certified by the Dermatological Clinic, Municipal Hospital, Krefeld). The good skin compatibility of STOKO REFRESH® 4 in 1 Mild Liquid skin cleanser was documented using recognized experimental test methods on human skin, such as the Duhring Chamber Test [2] and the Elbow Washing Test [3] (Research Department, Stockhausen Chemical Factory, Krefeld).

In a modified Duhring Chamber Test, according to Frosch and Kligman [2], as well as Kresken et al. [4], STOKO REFRESH® 4 in 1 Mild Liquid skin cleanser demonstrated good skin compatibility in comparison to sodium lauryl sulfate, a leading syndet commonly used in surfactants (see table).

TABLE:

Table: skin compatibility of STOKO® REFRESH Mild Liquid skin cleanser in the modified Duhring Chamber Test ¹⁾

Product	Irritation ²⁾ X	Application Time ³⁾ h (hours)	Relative skin compatibility ⁴⁾ A
STOKO® REFRESH Mild Liquid	1.8	22.8	17.1
Sodium Lauryl Sulfate 0.5%	3.1	14.8	8.4

- 1) n=24
Test period: August, 2006
Test concentration: undiluted
- 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 hrs on day 1, and 6 hrs each on days 2 to 5).
- 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, August, 2006.

First Aid

For external use only. If STOKO REFRESH® Mild Liquid skin cleanser 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® Mild Liquid Skin Cleanser can be stored in a closed container for at least 30 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. Hand cleaners may become cloudy or freeze partially at temperatures of 32°F or below, however, they are usable after thawing. For optimum dispensing performance, keep from freezing temperatures.

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
2401 Doyle Street,
Greensboro, NC 27406
PHONE: 1.800.334.0242
www.stokoskincare.com
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