

# STOKO **PROTECT**



**Helps to protect your skin in damp and wet environments.  
With repair effect. Stabilises, regenerates and toughens the skin barrier.**

### Description

STOKO PROTECT+® is a skin protection cream with a new and innovative formulation concept: thanks to the multiphase emulsion system (W/O/W emulsion), this cream features both protective and regenerative properties. In addition to offering the protective action of a conventional emulsion, STOKO PROTECT+® also helps to stabilise and regenerate the natural skin barrier when it has been damaged by contact with aggressive or irritant substances at work.

The protective action is based on combining the barrier properties of non-polar oils with the skin-toughening tanning agent Hamamelis (HAMAMELIS VIRGINIANA DISTILLATE), which has been achieved in the new galenic system. With its soothing, nourishing and moisturising ingredients, as well as the camomile active ingredient Bisabolol, STOKO PROTECT+® features outstanding regenerative properties.

### Product Description

White, perfume- and silicone-free soft cream; multiple emulsion type (W/O/W).

### Features and Benefits

Product Features	Benefits
innovative formulation (optimised lipid composition in multiple emulsion structure W/O/W)	<ul style="list-style-type: none"> <li>▶ superior protective action and at the same time toughens the skin barrier</li> <li>▶ enjoys high cosmetic acceptance</li> </ul>
with 1% Bisabolol, an ingredient of camomile	<ul style="list-style-type: none"> <li>▶ supports skin regeneration</li> </ul>
perfume- and colourant-free, and assessed in accordance with the principles of HACCP	<ul style="list-style-type: none"> <li>▶ does not impair the wholesomeness and quality of food</li> </ul>
rapidly absorbed	<ul style="list-style-type: none"> <li>▶ does not leave any unpleasant or uncomfortable residues on the skin</li> </ul>
ease of application	<ul style="list-style-type: none"> <li>▶ suitable for both hands and face, and is also ideal for use on the entire body</li> </ul>
with high-quality ingredients	<ul style="list-style-type: none"> <li>▶ very good skin compatibility</li> </ul>
with natural tanning agent Hamamelis and compatible with the most common types of materials for gloves	<ul style="list-style-type: none"> <li>▶ can also be used under personal protective equipment (including gloves)</li> </ul>
STOKO PROTECT+® has no adverse effects on work vulcanising rubber <sup>1</sup> or painting surfaces <sup>2</sup>	<ul style="list-style-type: none"> <li>▶ it can therefore be used in a whole range of production processes</li> </ul>

<sup>1</sup> Test report of the German Institute for Rubber Technology, Hanover, Germany

<sup>2</sup> Test results of German car makers

... keeping working skin healthy.

### Area of Application

STOKO PROTECT+® toughens the natural skin barrier and effectively protects the skin where there is frequent contact with water or water-based workplace substances (water-based oils and cooling lubricants, water-based solutions of dyestuffs, acids, alkaline solutions, salts, cleaning agents and disinfectants, cement, lime and fertilisers), as well as when wearing occlusive protective clothing.

NB: Using skin care products does not release you from your duty to take the prescribed protective measures.

### Instructions for Use

Wash and dry the skin thoroughly before each application. Then carefully rub STOKO PROTECT+® on to the areas of skin at risk, including between the fingers and on the fingernails. It should always be used before starting work and after any lengthy breaks.

STOKO PROTECT+® can be used on the face as well.

### Qualitative Composition\*

AQUA (WATER), PARAFFINUM LIQUIDUM, ISOPROPYL PALMITATE, CETEARYL ALCOHOL, POLYGLYCERYL-2 DIPOLYHYDROXYSTEARATE, PROPYLENE GLYCOL, CETEARYL GLUCOSIDE, C12-15 ALKYL BENZOATE, STEARIC ACID, BISABOOL, PETROLATUM, PHENOXYETHANOL, PEG-30 DIPOLYHYDROXYSTEARATE, PEG-40 STEARATE, METHYLPARABEN, HAMAMELIS VIRGINIANA DISTILLATE, PROPYLPARABEN, ETHYLPARABEN, ISOBUTYLPARABEN, BUTYLPARABEN, ALCOHOL DENAT.

M844

\* The ingredient declarations used are in compliance with the International Nomenclature Cosmetic Ingredients (INCI).

### Statutory Regulations

STOKO PROTECT+® is governed by the Ordinance Regulating Cosmetics, the Cosmetic Directives of the EC, and is not subject to the Chemicals Act or the Ordinance Regulating Hazardous Substances.

### Safety Data Sheet

An EC safety data sheet containing additional product information is available. This can be downloaded from [www.stoko.com](http://www.stoko.com).

### Quality Assurance

All products of the STOKO® Programme meet the bacterial purity standards as they apply to medicines for external use (as defined by PhEur).

**< 100 reproducible germs / g product.**

Verification tests in this respect are a regular feature of STOKO® Skin Care quality assurance procedures.

### Shelf Life

STOKO PROTECT+® can be stored in an unopened container at room temperature for at least 30 months. Shelf life after opening: see indication on packaging.

### First Aid

In the event of accidental eye contact with the product, rinse out using water (eye douche, eye irrigation bottle). Consult a doctor if any burning sensation persists.

### Additional Information

Expert reports and bibliographies are available upon application.

### Packaging Sizes

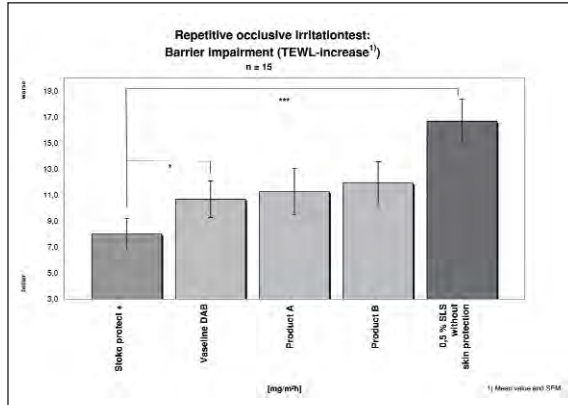
20 ml tube  
100 ml tube  
500 ml hard bottle with handpump  
1000 ml soft bottle  
(for all STOKO VARIO® dispensers)

**Please note that for reasons of trademark protection, only soft bottles from the STOKO® Programme may be used in these dispensers.**

®Registered trademark

### Testing the Protective Action

The product's protective action was tested using the repetitive, occlusive irritation test\* (Evonik Stockhausen GmbH, Krefeld, Germany). When STOKO PROTECT+® is applied to the skin, the barrier damage caused by the standard irritant sodium lauryl sulphate (determined by means of the transepidermal water loss) is minimal in comparison with rival products [Illustration 1].

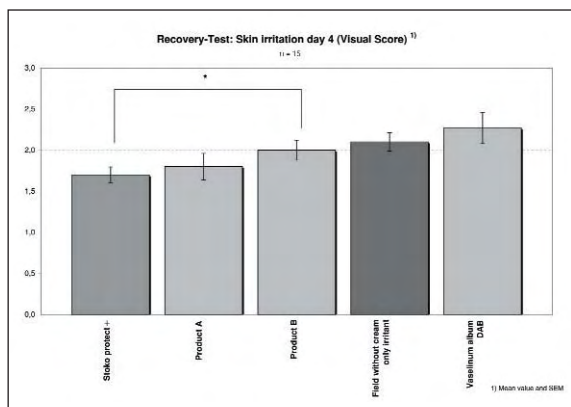


**Illustration 1:** Comparison of the protective effect of various skin protectants using the repetitive, occlusive irritation test. STOKO PROTECT+® demonstrates the best protective action against the standard irritant sodium lauryl sulphate.

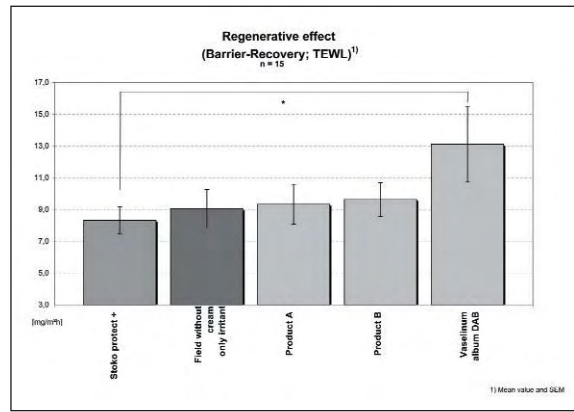
\*Skin protectant applied twice a day over a period of four days, 10 min. before the noxa. Assessment on the basis of measuring the TEWL (n=15).

### Testing the Regenerative Effect

The barrier recovery test\* was used to demonstrate the regenerative effect of STOKO PROTECT+® (Research and Development Department, Evonik Stockhausen GmbH, Krefeld, Germany). The barrier damage caused by the standard irritant sodium lauryl sulphate, which can be seen from the increased release of water through the skin (TEWL) and the severe skin irritation (visual score), is largely counteracted by applying STOKO PROTECT+® (Illustrations 2a and 2b).



**Illustration 2a:** Comparison of the regenerative effect using the barrier recovery test: visual score



**Illustration 2b:** Comparison of the regenerative effect using the barrier recovery test: TEWL

\*Skin protectant applied twice a day over a period of four days, 10 min. before the noxa. Assessment based on visual assessment and measuring the TEWL (n=15).

### Skin Compatibility Tests

STOKO PROTECT+® has proved to have very good skin compatibility properties in human-experimental tests and in practical use. A skin compatibility expert report prepared by the Department of Dermatology, Clinic Krefeld, Germany, is available.

### Glove compatibility

Tests to determine the compatibility of STOKO PROTECT+® with the most common forms of materials used in gloves (latex, nitrile and neoprene) were carried out on the basis of the ASTM standard D-412 (measuring the tensile strength; Ansell Science & Technology, Massillon, Ohio, USA). STOKO PROTECT+® has not been found to have any statistically significant effect on the tensile strength of the materials used in gloves after they have been worn for the period usual in practice of less than 2 hours.

Material	Product	Testing the Tensile Strength	
		30 min	120 min
Latex	Ansell Medical Natural®	n.s.*	n.s.
Nitrile	Ansell Medical Nitra Touch™	n.s.	n.s.
Neoprene	Ansell Derma Prene®	n.s.	n.s.

\*n.s.: not significant (p>0.05)

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