

Product Information



to use in protective gloves, wet working areas, when exposed to physical demands

rath's pr Dry Hands Skin Protection Gel



PRODUCT DESCRIPTION

Aqueous solution of an innovative combination of two active ingredients with skin firming and sweat reducing effect. The two active ingredients complement one other in their effect (synergy effect).

For easier application the solution is slightly thickened with a cellulose gel producing agent created from renewable raw materials.

No fragrances. HACCP assessed.

FIELD OF APPLICATION

So as to avoid any skin softening, swelling and consequently impairment of the natural protective barrier of the skin, anywhere where moisture or wetness caused by protective gloves or footwear occurs.

To use in wet and moist working areas and when the skin is exposed to physical demands (e.g. fiberglass and dust).

FUNCTION

prDry Hands protects and firms the skin and reduces the formation of sweat. So, inside occlusive gloves and footwear, prDry Hands works against softening of the skin. prDry Hands gently inhibits any inflammation and hinders the excessive growth of germs.

Dispensing with scents and economical preservation with the foodstuff preservative sorbic acid enable us to obtain excellent skin compatibility, even for users with sensitive skin.

USAGE AND DOSAGE

Depending on strain, apply 1 - 2 times daily on the dry, clean skin and rub well in until, after about 30 seconds, the skin feels dry. For hands: 0.5 - 1 ml (see also reverse).

SIZES AVAILABLE

- 125 ml bottles
- 1 litre standard bottles
- 1 litre soft bottles

PRODUCT INFORMATION

Perspiration in occlusive protective gloves can create a build up of moisture and wetness. As a result of this the skin softens, swells and loses both its mechanical strength and its natural role as a barrier. Build up of wetness leads to a real feeling of discomfort. This means that work often continues without protective gloves. Then the skin tends to dry out quickly. If suitable care is not taken, the skin becomes brittle and chapped and so the way is prepared for skin disease.

The release of moisture leading to this build up occurs in two ways:

- A perceptible release of sweat from the sweat glands through perspiration.
- An imperceptible release through the skin tissue as a result of evaporation.

The active ingredients used in prDry Hands cut down on both kinds of moisture release:

- Aluminium chlorohydrate reduces the sweat given off by the sweat glands and has proved its worth among deodorant products world wide, and over many decades, as a substance that the skin tolerates extremely well.
- A vegetable tanning agent, through its firming (astringent) effect, brings about both a firming up of the exterior layer of the skin and also a reduction in imperceptible moisture release by the skin. In addition, it has anti-inflammatory properties and a growth-inhibiting effect on many germs
- Moreover the tanning agent and the aluminium chlorohydrate form a synergistic complex, that is, the effect of the complex is greater than the sum of the effect of its two components.

Emulsions containing fatty substances (lotions, creams) can impair the protective effect of gloves. This has already been observed in the case of latex gloves. prDry Hands, therefore, contains no fats. Also, fats are a source of nutrients for micro-organisms. Because of the ingredients of prDry Hands, an increase in the number of germs, under normal hygienic conditions, is not to be expected.

APPLICATION

The efficacy of prDry Hands does not fully develop at first application. It increases, when the pr-Dry Hands is used daily, in the first 3-4 days, and remains thereafter at the same level. In normal situations, one or two applications per day before starting work with gloves or footwear are sufficient.

SKIN COMPATIBILITY

2000 The Dermatest Association for Research into Allergies mbH, Muenster

Epicutaneous test of the undiluted preparation under occlusive conditions (24 hrs) on 30 experimentees. Controls after 24, 48, and 72 hours. *Result:* there were no reactions on the skin of any of the subjects.

PROOF OF EFFICACY

2000 BioSkin Institute for Dermatological Research and Development GmbH, Hamburg - Screening Test*

Swelling of the horny layer of the palm skin (ball of thumb) with high-frequency ultrasound picture (75 MHz) after 5 hours of occlusion (nitril glove Solo Ultra 999, Mapa) compared in the case of skin pre-treated with prDry Hands and untreated skin. *Result:* The swelling of the horny layer of the tested persons, even after 5 hours of glove occlusion, was clearly reduced by the pre-treatment.

2000 Application test in a work situation using prDry Hands over 7 days with 10 experimentees wearing occlusive protective gloves*

Ambient temperature: 25 - 28 °C

Period of wearing gloves: approx. 85 % of the shift.

Results: feeling of comfort while wearing the gloves, no skin irritation, no undue sweat formation, reduction in sweat such that gloves could be worn for twice as long as usual. Complaints as a result of perspiration on product surfaces can be markedly cut down.

*These tests were carried out on another, dark-coloured tanning substance. According to available information, the nearly colorless tanning substance now used is more stable and more effective.

INGREDIENTS (INCI)

Aqua, Alcohol, Aluminum Chlorohydrate, Glycerin, Hydroxyethylcellulose, Tannic Acid, Tromethamine, Ascorbic Acid, Sorbic Acid.

SAFETY AND REGULATIONS

prDry Hands is not subject to any transport regulations in the meaning of the transport of dangerous goods.

prDry Hands is subject to the regulations of the German Food and Consumables Act and the EU-Cosmetics Directive.

As a protective skin product, in accordance with the guideline 89/656 EU, prDry Hands is classified as personal protective equipment (PPE), which must be made available by the employer.

STORAGE

prDry Hands may be stored between 0 and 20 °C. Bright light should be avoided. If storage conditions are observed, the minimum life amounts to 12 months.