



PRODUCT INFORMATION

pr UV

Skin protection lotion

- pr UV protects the skin reliably against exposure to UVA, UVB and UVC radiation.
- The lotion is easy to apply, is absorbed quickly and is water resistant. It offers protection when working in natural or technical UV radiation and during sport and leisure activities. The system based on pure mineral filters guarantees a high level of skin tolerance.

Easy like ABC:
with our dispensers



APPLICATION AREA

UV radiation exposure
LSF 20

Working conditions where there is intensive radiation from sunlight or technical UV radiation sources, such as flashover from electric welding, UV light when hardening and drying paints and plastics.

It is also well suited to leisure activities and water sports.

USAGE AND DOSAGE

pr UV should be applied before exposure to UV radiation. Apply pr UV cream to unprotected skin areas and rub in until the initial white coating disappears.

The application must be repeated after washing with skin cleansers and after intensive contact with water.

Dosage volume for hands and face is approx. 0.5 – 1 ml respectively.

We offer suitable dispensing solutions for clean and economical dosing.



THE ADVANTAGES AT A GLANCE

A system based on pure mineral filters ensures especially good skin compatibility

- Protection in UVA, UVB and UVC areas
- Suitable for sensitive skin
- High level of water resistance – protective effect
- Remains also in contact with water and when sweating
- With Vitamin E-Acetate, Panthenol and beeswax
- Without preservatives, colorants and silicones
- Huge choice of dispensers and dosing systems

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Product Information

Using skin protection products does not release you from the duty to apply legally prescribed safety measures.

pr UV serves as effective protection of the skin against UV radiation. UV radiation sources are the sun and technical radiation emitters such as flashover from electric welding or mercury pressure radiators for drying paints and hardening synthetics etc. Depending on the reaction with the skin a distinction can be drawn between long wave UVA, medium wave UVA and short wave UVC, which has the highest energy level. Experts critically discuss the increase in UVC radiation as an effect of the decrease in the ozone layer. Radiation from all wavelengths can lead to skin cancer.

Effective UV skin protection must incorporate protection against UVA, UVB and UVC radiation.

pr UV achieves this by combining nano-dispersing titanium dioxide and zinc oxide particles. Organic filters have significant absorption maxima; their protection effectiveness in the UVC range is insufficient. Compounds with titanium dioxide and zinc oxide on the other hand absorb throughout the UV range, as well as in the UVC range.

The combination of titanium dioxide + zinc oxide leads to even better skin tolerance because of its radical trapping function and at the same time the erythema inhibiting impact of the zinc oxide. Vitamin E acetate strengthens this effect.

Skin Compatibility

2011 Dermatest GmbH, 48143 Münster

Result: pr UV is confirmed with very good skin compatibility after dermatological testing on humans.

No toxic-irritant incompatibility reactions occurred in the epidermal test according to international guidelines.

Proof of Effectiveness

1995/2003 Derma Consult GmbH, Alfter

In vivo definition of light protection factor as per COLIPA (Euronorm) in UVB.

Result: The light protection factor (LSF) of pr UV is 20.

The protective effect in UVA and UVC was tested in vitro in accordance with the Diffey method as well as in solution and on tape. (Ursula Rath GmbH).

Ingredients (INCI)

Aqua, Isopropyl Myristate, Alcohol Denat., Caprylic/Capric Triglyceride, Titanium Dioxide (Nano), VP/Hexadecene Copolymer, Glycerin, Tocopheryl Acetate, Polyglyceryl-2 Dipolyhydroxystearate, Octyldodecanol, Panthenol, Cera Alba, Zinc Oxide (Nano), Paraffinum Liquidum, Sodium Chloride, Polyhydroxystearic Acid, Alumina, Silica, Disodium EDTA, Citric Acid, Parfum.

Safety and Legislation

pr UV, as a skin product, is subject to the legal regulations of the EC Cosmetics Ordinance- (Ordinance (EC) No. 1223/2009).

Storage/Shelf Life

pr UV can be stored between 0 and 25°C. The minimum shelf life for unopened containers is 30 months.

Sizes Available

125 ml bottles
1 litre bottles
1 litre soft bottles

Dispensing and Dosing Systems

A matrix for selecting dispenser and dosage systems can be found on the Internet at www.rath.de or give us a call – we are pleased to advise you.