

Product Information



for the oily, greasy working area



heavy soiling

rath's
pr 88

Skin Protection Cream



PRODUCT DESCRIPTION

Hand protection cream (type O/W emulsion), water-soluble, structural viscous, non-oily, makes it easier to wash away non-waterbased working substances and contamination. With proper dosage, it does not leave any finger prints.

No preservatives or silicones.

FIELD OF APPLICATION

When working with oil, grease, graphite, soot, tar and bitumen products, paint, lacquer, adhesives, synthetic resin, polyester, silicone compounds, PU glue, dust, fibre-glass etc.

FUNCTION

When applied to the skin, pr88 forms a dry, elastic and strong protective film and thus impedes to a great extent the contact of the pollutant or contamination with the skin. The tenside content of the protective film makes it possible very often to wash away the adhesive substance with water only after work has been completed and thus protects against the need to use improper skin cleansers, one of the main causes for skin damage. The skin functions (e.g. breathing, giving off of moisture, sensing) are not negatively affected.

USAGE AND DOSAGE

Before work as well as after washing your hands or contact with water. Dosage: 2-3 ml per application.

SIZES AVAILABLE

100 ml tubs

1 litre tubs

1.6 litre dispenser cartridges

10 litre buckets

DOSING AIDS

Please refer to pr-Dispenser leaflet.

Note: If an additional cleanser is required, we recommend the use of a product from our prClean series.

PRODUCT INFORMATION

Efficiency: In most cases, pr88 makes it possible for the pollutant and contamination to be washed away using only water. Short washing times and the saving of cleansing agents are the direct economic advantage of this.

Health protection: pr88 prevents skin contact with pollutants and contamination and the penetration of these into the skin. Easy cleansing of the skin with water prevents against the improper use of skin cleansing agents as a main cause of many skin illnesses.

Application limits: The pr88 protective film prevents the penetration of working substances or contamination that is hazardous to the skin or health. Organic solvents are mostly extremely hazardous to the health. They even penetrate through protective gloves unnoticed. Protective creams are also not able to offer effective protection under these circumstances. It is only possible to decide upon the use of skin protection preparations when the solvent as well as the working conditions have been tested. This is fundamentally always applicable for the usage of skin protection when working with hazardous substances.

SKIN COMPATIBILITY

1970 University of Munich, Prof. Braun-Falco

Patch test (48 hrs.) on 200 test persons (81 allergic persons, 119 eczematic and psoriatic persons)
Results: only approx. 2 % of these test persons showed a reaction to pr88.

1979 Public employment protection agency
Stockholm

Test of the contents

Results: pr88 contains no formaldehyde or any known, allergy-causing substances.

1983 Scantox, Denmark

Determination of the primary skin irritation indexes according to Draize.

Results: pr88 is non-irritating.

1986 Dermatological Clinic, Dortmund,
Prof. Dr. Tronnier

1. Patch test (24 hrs.) on collective test persons with healthy skin and eczematic/sensitive skin corresponding to 500 test persons with normal sensitive skin.

Results: approx. 5 % weak positive reactions, approx. 1 % doubtful reactions

2. Repeated, 14-day application test on 20 test persons

Results: Side effects: none

Effect: Positive without exception (75 % excellent)

Total cosmetic evaluation: Very good to excellent

EFFECTIVENESS

1989 University of Munich, Priv.Do. Dr. Dr. Pratzel

Dr. Dr. Pratzel

Test of the protective effect of pr88 against dusty and oily contamination with light and heavy mechanical work and previous contamination of the skin with coal dust and/or a mixture of mineral oil/coal dust (radioactively labelled, specific activity respectively approx. 20 MBq/g).

Decontamination: Through rinsing of the hands with luke-warm water.

Results (excerpt): pr88 offers practically complete protection when working with dry and oily radioactive substances within a test period of one hour.

1996 University of Graz, Prof. Dr. Dr. Voss

Determination of the lipophile skin factor HSF_L (of the logarithmic factor by which the intensity and speed of the effect of liquid lipophile substances on the skin due to a defined protective layer is reduced in a ratio compared to non-treated skin) against lipophile substances, for example, on benzene as a substance of clearly defined, medium polarity.

Results: HSF_L (benzene): 2,1

INGREDIENTS (INCI)

Aqua (water) , Glycerin, Sodium Silicate, Sodium Tallowate, Cetareth-5, Sodium Palm Kernelate, Paraffin, Parfum (Fragrance).

ENVIRONMENT

pr88 is very biodegradable (Hygieneinstitut Gelsenkirchen, April 1991). Water danger class (self-classification): 1.

SAFETY AND REGULATIONS

pr88 is not subject to any transport regulations in the meaning of the transport of dangerous goods.

pr88 is a cosmetic product and thus subject to the regulations of the German Food and Consumables Act and the EU-Cosmetics Directive. As a skin protection product, according to guideline 89/656 EU, pr88 is classified as personal protective equipment, which must be made available by the employer.

STORAGE

pr88 should be stored at temperatures between 0 und 20 °C. Under these conditions the minimum life amounts to 30 months.