

pr

88



Skin Protection Cream



for the **oily, greasy** working area



heavy soiling

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 tensile 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.

CONTAINER SIZES

- 100 ml tins
- 1 litre cans
- 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

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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 Staatliches Arbeitsschutzamt 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

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.



Material Safety Data Sheet

following EU-guideline 91/155/EU

Printing Date:
27.01.2008

Updated on:
01.01.2008

1. NAME OF SUBSTANCE / PREPARATION AND COMPANY

Trade Name: pr88 - the wash-off hand protection -
(water-soluble skin protection cream)

Company Name: Ursula Rath GmbH & Co.KG Imported by: **Pan Tec Inc.**
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D-48308 Senden **Guelph, ON.**
Phone: +49 / 2597 / 96 24-0 **N1E 2T8**
Fax : +49 / 2597 / 63 70 Phone/Fax: (519) 824-5617

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: Cosmetic O/W-emulsion
Contains no dangerous substance according to the German Dangerous Substances Ordinance
Does not contain silicones or preservatives

Ingredients: INCI-Name
(declaration acc. to the European Cosmetics Directive acc. to INCI)
Aqua (water)
Glycerine
Sodium Silicate
Sodium Tallowate
Ceteareth-5
Sodium Palmcernelate
Paraffin
Parfum (fragrance)

3. HAZARDS IDENTIFICATION

Harmless product as far as can be ascertained, when used - as intended - as a cosmetic product for skin protection.

4. FIRST AID MEASURES

Eye contact: rinse with plenty of water, if necessary consult a doctor
Ingestion: drink plenty of water, if necessary consult a doctor

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: all standard extinguishing media
Particular threat: none

6. ACCIDENTAL RELEASE MEASURES

Cleansing / Wiping up procedure: Dispose of in a suitable container or rinse with water, remainders to be cleaned away by means of cleansing agents to avoid eventual danger of slipping.

7. HANDLING AND STORAGE

Handling: Skin protection cream to be rubbed into the skin before work and washed-off with water after work
Storage: Keep containers tightly closed, temperature -15°C to a max. of +35°C
Storage stability at room temperature (25°C) > 3 years

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Skin protection preparation can be used on the skin without any time limit.
The product is personal protection itself acc. to EU-directive 89/656/EU.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	foamy/creamy
Colour:	white
Odour:	almond-like
pH-value:	upon application: neutral Acidic or alkaline reactions are as an effect of appropriate ions only possible in aqueous solutions. Therefore, the dry pr88 skin protection film is neutral. During the process of hand washing, for a short period of time, a pH-value of approx. 9,5 is effective, i.e. as washing soap would be used for hand washing.
Change in physical state:	approx. 40 °C
Ignition temperature:	after evaporation of water > 370 °C
Flash point:	after evaporation of water > 190 °C
Explosion limits:	unknown
Density:	(20 °C) abt. 0,5 g/cm ³
Vapour pressure:	(20 °C) abt.. 20 mbar
Viscosity:	(20 °C) structural viscous
Solubility in water:	(20 °C) > 90%

10. STABILITY AND REACTIVITY

Stability:	The product is stable from -15 °C to a max. of +40°C.
Reactivity:	Even at extreme working conditions, no reactions with working media or working substances are to be expected.

11. INFORMATION ON TOXICITY

All ingredients are raw materials defined for the production of cosmetics and subject to an appropriate quality control.
In the case of many years of application, no toxic or allergic reactions have been ascertained.

12. INFORMATION ON ECOLOGY

Biological Degradability:	acc. to OECD testing <u>very good</u> (> 97%) BSB ₅ (523.700 mg O ₂ /l) 83,5%
Water danger class:	Water danger class 0 (self-classification)

13. DISPOSAL

Product:	pr88 can be burnt together with domestic garbage with local regulations or, piped into the sewer system after dissolving in water, waste key: 070 699.
Packaging:	Disposal according to governmental regulations. If not officially regulated, packagings can be treated like domestic garbage or be lead into a recycling system.

14. INFORMATION ON TRANSPORT

No dangerous goods according to transport regulations

15. REGULATIONS

The product is subject to the Cosmetics Directive

Symbols:	none
R-phrases:	none
S-phrases:	none

16. OTHER INFORMATION

This information is based on our knowledge data at this time and refers to the product in condition of delivery. It describes our product in regard to safety requirements and therefore does not represent a guarantee of particular qualities.

www.pr88.com