Product Overview
Skin protection lotion

prMulti protects the skin from differing stresses in oily, greasy and dusty areas, and also in case of contact with damp dirt/water.

Can also be applied under gloves.

Glycerin, in combination with valuable waxes on the basis of renewable raw materials such as jojoba oil, supports the retention of the natural skin moisture.

Area of application

Differing stresses on skin

prMulti protects the skin during work with oil, grease, soot, dust, tar, silicone, damp dirt and in case of contact with water.

prMulti can be applied when wearing coated textile and leather gloves.

Application and dosage

Rubbing in
Prior to commencing work, carefully rub a pea-sized quantity (approx. 1 ml) into your hands – in particular the fingernails/nail beds – and let them dry.

Work
The dry, flexible and stable protective film forms an effective contact barrier between the skin and the influencing materials.

Rinsing off
After work, wash your hands with as mild a hand cleanser as possible, rinse thoroughly and dry.

We provide suitable dispenser solutions for clean and economical dosage.

The advantages at a glance

- For diverse applications
- Very short drying period
- Firm grip on tools retained
- Water-resistant
- With glycerin and moisturizer on jojoba oil basis
- Free of perfume and silicone
- HACCP-assessed
- Neutral pH (approx. pH 5)
- Very good skin compatibility – dermatologically tested
- Facilitates cleaning of hands

Ideal for differing stresses on skin
Product guideline
The use of skin protection products shall not release from the obligation to apply legally-stipulated protective measures.

Skin protection agents are subject to wear, the amount of which is strongly dependent on the working conditions. The protective effect of prMulti lasts longest in case of contact with oily, greasy or dusty contamination. It reduces the more contact is made with water and the larger the volume of tensides (cleaning agents) contained in the water. In case work is primarily carried out with washing and cleaning solutions, we recommend the use of our skin protection lotion pr99.

Safety and legislation
prMulti, as a skin product, is subject to the legal regulations of the EC Cosmetics Ordinance-(Ordinance (EC) No. 1223/2009).

Skin compatibility
Tested by:
Dermatest GmbH - Research Institute for Reliable Results, Münster.

Result:
prMulti passed the dermatological tests on humans monitored by Consultant Physicians with "Very good".
No toxic-irritant incompatibility reactions occurred in the epicutaneous test conducted acc. international regulations.

Verification of efficacy
Tested by:
Dr. Pittermann in collaboration with the Institute for Pharmacology, Toxicology and Pharmacy at the Veterinary University of Hannover (Prof. Dr. M. Kietzmann).

Result:
Verification of the efficacy against lipophilic substances and hydrophilic noxious agents in the BUS skin protection test. The effective protective performance of prMulti has been verified through single or multiple application of the model noxious substances sodium dodecyl sulfate (SDS, 10% in water), n-octane and toluene.
Furthermore, the efficacy of prMulti has been verified in application tests based on practical applications.

Ingredients (INCI)
Aqua, Alcohol Denat., Glycerin, Cetearyl Alcohol, Polyglyceryl-6 Distearate, Triaccontanyl PVP, Disodium Lauryl Sulfo succinate, Sodium Coco-Sulfate, Triticum Vulgare (Wheat) Starch, Dicaprylyl Carbonate, Lauryl PCA, Jojoba Esters, Polyglyceryl-3 Beeswax, Hydrogenated Palm Glycerides, Cetyl Alcohol, Glyceryl Stearate, Xanthan Gum, Titanium Dioxide, Citric Acid, Sodium Benzoate, Potassium Sorbate.

Storage/shelf life
prMulti can be stored at room temperature. The shelf life of unopened packaging totals 30 months.

Package sizes
125 ml bottles
1 liter bottles
1 liter soft bottles
2 liter soft bottles

Dispensers and metering systems
You can find a selection aid on dispenser and metering systems in the Internet under www.rath.de – or simply call us – we are happy to help you.
pr88 is the classic skin protection product for oily, greasy and highly adhesive dirt.

Rub in before starting work and the cream provides a reliable protective film that effectively prevents the penetration of dirt particles into the skin. pr88 makes skin cleansing after work easier. Dirt is simply washed off together with the protective film.

**Application Area**
- Oily, greasy dirty areas
- Heavily adhering dirt

pr88 skin protection cream protects the skin against contact with oily and greasy dirt as well as paint, lacquer, graphite, soot, tar, (PU-)adhesives, artificial resins, polyester and silicone etc.

**Application and Dosage**

Rub in
Before working, rub a hazelnut sized amount of pr88 (approx. 2-3 ml) onto your hands - especially to the fingernails and cuticles - and leave to dry.

Work
The dry, elastic and steady grip protective film forms an effective contact barrier between the skin and the penetrating work materials.

Wash off
After you have finished working wash your hands gradually adding water, rinse off thoroughly and dry. The dirt will be removed together with pr88.

**The Advantages at a Glance**
- Simple use
- Quick drying time
- Does not stick, does not leave any fingerprints behind
- Steady tool grip
- Dexterity is maintained
- Very high protective potential during work
- Makes skin cleansing easier
- Free of preservatives and silicone
- Very good skin compatibility - dermatologically tested

We offer suitable dispensing solutions for clean and economical dosing.

The skin protection classic for more than 40 years
**Product Information**
Using skin protection products does not release you from the duty to apply legally prescribed safety measures.

**Skin Compatibility**
2015 Dermatest GmbH, Gesellschaft für allergologische Forschung, 48155 Münster
Result: pr88 has been certified with very good skin compatibility after a dermatological test on human beings.

No allergic or toxic-irritative reactions of incompatibility occurred during the patch test in accordance with international guidelines.

**Proof of Effectiveness**
2002/2003 "Prevention against lipophilic noxa with skin protection products". Proof of effectiveness and skin compatibility testing according to the BUS model.
Result: very high protection potential and very good skin compatibility. Top rank among the 8 most popular products on the market. Published in "Arbeitsmedizin Sozialmedizin Umweltmedizin", issue 8 - 2003.

2009 BUS-skin-protection-test (in-vitro)
- n-OKTAN (lipohile model pollutants)
- model-cooling-lubricants type II (not water-miscible, mineral oil based)
- model-cooling-lubricants type III (not water-miscible, ester oil based)
Result: good to very good protection potential and very good skin compatibility.

**Ingredients (INCI)**
Aqua, Glycerin, Sodium Silicate, Sodium Tallowate, Ceteareth-5, Sodium Palm Kernelate, Paraffin, Parfum.

**Environment**
pr88 is biologically degradable.
Water hazard class: 1 (according to VwVwS)

**Safety and Legislation**
pr88 is not subject to any transport regulations in terms of the transport of dangerous goods.
pr88 is a cosmetic product and therefore subject to the legal regulations of the EC Cosmetics Directive.

**Storage/Shelf Life**
pr88 can be stored between 0 and 25°C. The minimum shelf life for unopened containers is 30 months.

**Sizes Available**
- 100 ml tub
- 1 litre tubs
- 1.6 litre dispenser cartridge
- 10 litre bucket

**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.
pr88 liquid effectively protects the skin against oily, greasy and strong clinging dirt.

The fluid forms a reliable protection film that prevents dirt particles penetrating the skin when applied to the hands before work. After work, pr88 liquid makes skin cleansing easier. The dirt is simply washed off with the protective film.

**Area of Application**
- Oily and greasy areas
- Strong clinging dirt

pr88 liquid protects the skin when working with oil, grease, paint, graphite, soot, dust, tar, glue, artificial resin, polyester and silicone etc.

**Application and Dosage**

**Rubbing in**
Rub approx. 1 ml pr88 liquid into the skin before work - particularly into the finger nails/nail beds - and leave to dry.

**At work**
The dry, elastic and sturdy grip protective film forms an effective contact barrier between the skin and penetrating work substances.

**Washing off**
Wash the hands after gradually adding water, thoroughly rinse and dry. The dirt is rinsed off together with the pr88 liquid.

**We offer you suitable dispenser solutions for clean and economical dosage.**

**The Advantages at a Glance**
- Simple application
- Very short drying time
- Does not stick or leave behind any fingerprints
- Good tool grip
- Dexterity is maintained
- High protection potential during work
- Facilitates skin cleansing
- Free of perfumes, preservatives and silicone
- Very good skin compatibility - dermatologically tested

Also ideal for mobile use
**Product advice**
The use of skin protection products does not release you from obligatory application of legally specified protection measures.

**Legal regulations**
pr88 liquid is subject to the legal regulations of the EC cosmetics directive as a skin protection product.

pr88 liquid is part of personal protection equipment (PPE) according to directive 89/656 EEC as a skin protection product; this must be provided by the employer depending on the workplace.

**Skin compatibility**
2011 Dermatest GmbH, 48143 Münster

Result: pr88 liquid 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**
2011 Proof of effectiveness in the BUS model using 3 lipophillic model noxious substances.

**Ingredients (INCI)**
Aqua, Alcohol Denat., Hydrogenated Coconut Acid, Arginine, PVP, Poloxamer 407, Ceteareth-25, Panthenol, Bisabolol, Glycerin, Tetrasodium Glutamate Diacetate, Sodium Hydroxide, Pantolactone, BHT, Citric Acid.

**Environment**
pr88 liquid is biologically degradable.
Water hazard class 1 (according to VwVwS).

**Storage/shelf life**
pr88 liquid can be stored at room temperature. The shelf life is 18 months.

**Sizes**
150 ml spray bottles
1 litre bottles
2 litre soft bottles

**Dispensers and dosage systems**
A selection assistant for 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.
rath's
pr 99

Protective Skin Lotion

pr99 effectively protects the skin when working in moist and wet areas.

The high absorption oil/grease combination makes the skin repellent to water and systems with mixed water. pr99 helps to retain the natural protective function of the skin and prevents the skin from dehydrating.

Application Area

- Moist and wet areas
- Greasing skin care lotion

Protects the skin when working with water and aqueous substances such as water-mix cooling lubricants, washing and cleansing solutions, acid and alkali solutions, concrete, limestone, fertilisers and damp dirt etc.

The perfume-free version from pr99 is HACCP assessed and is perfect for use in food areas.

Usage and Dosage

pr99 hand protection lotion is applied to clean and dry hands and rubbed in before starting work.

Dosage: 0.5 - 1 ml

Also use pr99 in-between in case of high stress on the skin or very dry skin.

We offer suitable dispensing solutions for clean and economical dosing.

The Advantages at a Glance

- Easy to apply
- Quick absorption
- With Vitamin E-Acetate
- High protective potential
- Discreetly perfumed or perfume-free
- HACCP-assessed (perfume-free version)
- Very good skin compatibility - dermatologically tested
- Huge choice of dispensers and dosing systems

Also well suited as nourishment for dry skin
Product Information

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

Fatty skin protection preparations are subject to wear, which heavily depends on the working conditions. The period of effective protection is the longest when working only with cold water. With an increase in temperature and a growing fraction of fat dissolving substances, such as surfactants or solvents, the effective protection decreases. To prevent the callus skin with less fat from swelling and losing its natural protective function and to prevent pollutants from penetrating through the horny skin barrier, fat must be applied to the skin externally.

Dehydration is prevented by giving fat back to the callus skin when pr99 is used for skin care. This prevents the skin from becoming brittle and cracking and ensures that it remains elastic.

Vitamin E-acetate has a high protective effect, which is a beneficial addition to the use of pr99 as preventative protection as well as nourishment.

Skin Compatibility

2007 Dermatex GmbH, Gesellschaft für allergologische Forschung, 48155 Münster

Result: pr99 has been certified with very good skin compatibility after a dermatological test on human beings.

No allergic or toxic-irritative reactions of incompatibility occurred during the patch test in accordance with international guidelines.

Proof of Effectiveness

2005/2007 Effectiveness proven four times over in accordance with the BUS skin irritation test (standardised BUS test of the effectiveness of skin protection products) using single and multiple applications of the noxa SDS (sodium dodecyl sulphate also known as sodium lauryl sulfate), a surfactant, in lower and higher aqueous dilutions.

Ingredients (INCI)

Aqua, Paraffinum Liquidum, Cetearyl Ethylhexanoate, PEG-7 Hydrogenated Castor Oil, Propylene Glycol, PEG-45/Dodecyl Glycol Copolymer, Tocopheryl Acetate, Cera Microcrystallina, Magnesium Sulfate, Magnesium Stearate, Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben, Parfum

Comment: the product is also available perfume-free

Environment

pr99 has good biodegradable properties (Hygiene Institute of Gelsenkirchen, April 1991). Water hazard class: 1 (according to VwVwS)

Safety and Legislation

Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines.

A safety assessment stipulated by the legislator (cosmetics directive) is available for pr99 that, essentially due to the ingredients used and the microbiological quality, results in the product being completely safe for the user in its intended use and it also being able to be used in the food industry.

As a skin protection product pr99 is part of personal protective equipment (PSA) according to regulation 89/656 EEC, which must be provided by an employer as needed at the work place.

Storage

pr99 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.
prUV 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.

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
prUV should be applied before exposure to UV radiation. Apply prUV 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

- 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

A system based on pure mineral filters ensures especially good skin compatibility.
prDry Hands is an easy to apply skin protection gel that reduces the development of sweat and moisture retention when wearing protective gloves or footwear.

It stabilises the skin and makes it more resistance to mechanical stresses.

**Application Area**

When wearing protective gloves

prDry Hands reduces the formation of moisture and swelling of the skin when wearing protective gloves, safety footwear and boots etc thanks to its sweat reducing and skin toning active substances. The skin stabilising substance also makes skin more resistant to mechanical stresses e.g. due to glass fibres, insulation materials and paper/cardboard etc.

**Usage and Dosage**

prDry Hands hand protection gel is applied 1-2 times per day to clean and dry hands and rubbed in. Only use protective gloves/clothing once the gel has fully dried.

Dosage: 0.5 - 1 ml

The effectiveness is not fully achieved on the first application. The full protection potential develops after 3-4 days and is retained if the product is used regularly.

We offer suitable dispensing solutions for clean and economical dosing.

**The Advantages at a Glance**

- Grease-free skin protection gel
- Reduces sweating
- Tones the skin
- Also protects against mechanical stresses
- Perfume-free
- HACCP-assessed
- Very good skin compatibility - dermatologically tested
- Huge choice of dispensers and dosing systems

Increases comfort when wearing protective gloves
**Product Information**

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

Perspiration inside air-tight 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 resistance and natural barrier effect. The build-up of wetness leads to a very uncomfortable feeling. Work often continues without the gloves. Then the skin tends to dry out. If suitable care measures are not taken, the skin becomes brittle and chapped and the road to skin disease is paved.

The release of moisture leading to this build-up occurs in two ways:
- Perceptible release of sweat from the sweat glands through perspiration.
- Unnoticed release through the skin via evaporation.

The prDry Hands active ingredients prevent both types of moisture release:

**Skin Compatibility**
2001 Dermatest GmbH, Gesellschaft für allergologische Forschung mbH, 2001 Münster
Patch test of the undiluted preparation under occlusive conditions (24 hours) on 30 test persons. Reading after 24, 48 and 72 hours. Result: there were no skin reactions by any test persons.

**Proof of Effectiveness**
2000 BioSkin Institute for Dermatological Research and Development GmbH, Hamburg
Screening test
Swelling of the callus layer of the palm skin (ball of the hand) with a high-frequency ultrasound picture (75 MHz) after 5 hours of occlusion (nitril glove Solo Ultra 99, Mapa) compared in the case of skin pre-treated with prDry Hands and untreated skin. Result: The swelling of the callus layer of skin among tested persons was clearly reduced by the pre-treated, even after 5 hours of glove occlusion.

2000 Application test in a work situation over 7 days with 10 test persons wearing occlusive protective gloves
Environmental temperature: 25 - 28 °C
Period of glove wear: approx. 85% of the shift time.

Results: Feeling of comfort while wearing the gloves, no skin irritation, no excessive build-up of sweat, reduction in sweat so that the period of wear of gloves could be doubled. Complaints as a result of perspiration on product surfaces can be distinctly reduced.

**Ingredients (INCI)**
Aqua, Aluminum Chlorohydrate, Alcohol Denat., Glycerin, Hydroxyethylcellulose, Tannic Acid, Ascorbic Acid, Sorbic Acid, Disodium EDTA, Tromethamine

**Environment**
prDry Hands is biologically degradable. Water hazard class: 1 (according to VwVwS)

**Safety and Legislation**
Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines.

As a skin protection product prDry Hands is part of personal protective equipment (PSA) according to regulation 89/656 EEC, which must be provided by an employer as needed at the workplace.

**Storage/Shelf Life**
prDry hands can be stored between 0 and 25°C. Avoid bright light! The minimum shelf life is 18 months if storage conditions are observed.

**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.
Skin Cleanser

Mild wash lotion and hand and body cleansing. For mild dirt and also suitable for showering. With very skin compatible surfactant combination and good moisture replenishment.

Application Area

Mild Skin Cleanser

For mild dirt and full body cleansing

For mild dirt in trade and industry areas, administration and offices.

Usage and Dosage

Add to dry skin or moist skin after work and rub while gradually adding water. Then rinse off with sufficient water and carefully dry.

We offer suitable dispensing solutions for clean and economical dosing.
Product Information
prClean contains a double tested, especially skin compatible combination of surfactants with excellent dermatological properties.

The product cleans sensitive, severely stressed skin efficiently but gently.
The result is achieved by a balanced combination of high quality raw materials.

Skin nourishing substances provide very good moisture replenishment - they have a regulating effect on the water balance of the skin and therefore prevent dehydration.

prClean have a light, subtle scent and mild use of preservatives.

Skin Compatibility
Dermatest GmbH, Gesellschaft für allergologische Forschung, 48155 Münster

prClean has been certified with very good skin compatibility after a dermatological test on human beings.

No allergic or toxic-irritative reactions of incompatibility occurred during the patch test in accordance with international guidelines.

prClean was tested diluted (1%, 2% and 5% in Aqua dest.) and undiluted.

Ingredients (INCI)
Aqua, Sodium Laureth Sulfate, Sodium Chloride, Cocamide DEA, PEG-9 Cocoglycerides, Cocamidopropyl Betaine, Sodium Lauroyl Glutamate, Glycerin, Propylene Glycol, Benzyl Alcohol, Methylchloroisothiazolinone, Methylisothiazolinone, Citric Acid, (Parfum)

Comment: the product is also available perfume-free

Technical data
pH-value: approx. 6.5

Environment
This surfactants contained in prClean plus are biodegradable to at least 90% according to the requirements of the surfactants ordinance regulating the legislation concerning washing and cleansing agents.

Safety and Legislation
Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines. Their implementation in national legislation essentially takes place Germany with the Code Covering Food, Consumer Goods and Feed (LFGB) and the Cosmetics Directive (KVO).

Labelling according to the hazardous goods directive is not applicable.

Storage/Shelf Life
prClean plus should be stored in closed containers at temperature and has a minimum shelf life of 30 months.

Sizes Available
1 litre bottles*
2 litre soft bottles*
5 litre canisters

*Also available perfume-free

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.
prClean plus
Hand Cleanser

Gentle hand cleanser for moderately dirty hands with good cleansing effect and high moisture replenishment.
No solvents and abrasives.

Application Area
Hand cleanser for average dirt levels

For moderately and especially greasy or oily soiled hands, generally for trade and industry workshops where abrasives and special cleansers containing solvents are not necessary to be gentle on the skin.

Usage and Dosage
Add approx. 2-3 ml to dry skin or moist skin after work and rub while gradually adding water.
Then rinse off with sufficient water and carefully dry.
Repeat the procedure for stubborn dirt or use prClean R as an alternative.

We offer suitable dispensing solutions for clean and economical dosing.

The Advantages at a Glance
- Gentle hand cleansing
- High moisture replenishment
- Free of solvents and abrasives
- Very good skin compatibility - dermatologically tested

Powerful and gentle hand cleansing for average dirt levels
Product Information
prClean plus contains a tested, especially skin compatible combination of surfactants with very good dermatological properties. The product cleans sensitive, severely stressed skin very efficiently but gently. Skin nourishing substances provide good moisture replenishment - they have a regulating effect on the water balance of the skin and therefore prevent dehydration.

prClean plus is characterised by a light, discreet fragrance and mild conservation.

Skin Compatibility
Dermatest GmbH, Gesellschaft für allergologische Forschung, 48155 Münster

prClean plus has been certified with very good skin compatibility after a dermatological test on human beings. No allergic or toxic-irritative reactions of incompatibility occurred during the patch test in accordance with international guidelines. prClean plus was tested diluted at 1%, 2% and 5% in Aqua dest.

Ingredients (INCI)
Aqua, Sodium Laureth Sulfate, Deceth-5, Cocamide DEA, Cocamidopropyl Betaine, PEG-9 Cocoglycerides, Sodium Chloride, Citric Acid, Sodium Lauroyl Glutamate, Glycerin, Propylene Glycol, Sodium Benzoate, Potassium Sorbate, Parfum, CI 19140, CI 42051

Technical Data
pH-value: approx. 6.5

Environment
This surfactants contained in prClean plus are biodegradable to at least 90% according to the requirements of the surfactants ordinance regulating the legislation concerning washing and cleansing agents.

Safety and Legislation
Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines. Their implementation in national legislation essentially takes place Germany with the Code Covering Food, Consumer Goods and Feed (LFGB) and the Cosmetics Directive (KVO).

Labelling according to the hazardous goods directive is not applicable.

Storage/Shelf Life
prClean plus should be stored in closed containers at temperature and has a minimum shelf life of 30 months.

Sizes Available
1 litre bottles
2 litre soft bottles
2.5 litre bottle
5 litre canisters

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.
Hand Cleanser

Hand cleanser with PU abrasives, pumpable for heavy dirt levels
Without solvents

Application Area
Hand cleanser for heavy dirt levels

For removing heavy, and especially greasy and oily dirt in trade and industry workshops, maintenance and repair departments and where ever stubborn, deeply ingrained dirt can only be removed with the help of abrasives.

Usage and Dosage
Add approx. 2-3 ml to dry skin or moist skin after work and rub while gradually adding water.
Then rinse off with sufficient water and carefully dry.
Repeat the procedure for stubborn dirt or use prClean R as an alternative.

We offer suitable dispensing solutions for clean and economical dosing.

The Advantages at a Glance
- Powerful, gentle hand cleansing
- High moisture replenishment
- Without solvents
- Suitable for dispenser
- Very good skin compatibility - dermatologically tested

Powerful and gentle hand cleansing for high dirt levels
**Product Information**

Incorrect skin cleansing is one of the major provoking factors for skin ailments. With "incorrect" we don't just mean the use of paint thinners or organic solvents but also the use of cleansers with a cleansing effect that clearly exceeds the required amount and not matching the type and extent of dirt. In general, the following applies:

1. The stronger the cleansing power of the surfactant, the lower the skin compatibility.
2. Because of their greater effect, abrasives reduce the thickness of the protective callus layer. Therefore skin has less resistance against the effects of external harmful substances. Thin skin dries easily, becomes rough and chapped more easily and increases the possibility of further harm.

**CONCLUSION:** always choose cleansers to suit the type and extent of dirt and designed to be kind on the skin.

The prClean series allows you to choose the right cleanser.

**Skin Compatibility**

Dermatest GmbH, Gesellschaft für allergologische Forschung, 48155 Münster

prClean R has been certified with very good skin compatibility after a dermatological test on human beings. No allergic or toxic-irritative reactions of incompatibility occurred during the patch test in accordance with international guidelines.

**Ingredients (INCI)**

Aqua, Sodium C12-18 Alkyl Sulfate, Polyurethane, Coconut Acid, Cocamidopropyl Betaine, Trideceth-7, Sodium C13-17 Alkane Sulfonate, Cellulose Gum, Xanthan Gum, Citrus Aurantium Dulcis Peel Oil, Limonene, Sodium Chloride, Benzyl Alcohol, PPG-2 Methyl Ether, 2-Bromo-2-Nitropropane-1,3-Diol, Deceth-8, Iodopropynyl Butylcarbamate, CI 77891

**Technical Data**

WAS: 40 % (washing active substance)

Density: approx. 0.88 g/cm³

pH-value: approx. 6.5

**Environment**

prClean R is to be classified as having good biodegradable properties because of its raw materials. Water hazard class: 1 (according to VwVwS)

**Safety and Legislation**

Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines. Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines. Their implementation in national legislation essentially takes place Germany with the Code Covering Food, Consumer Goods and Feed (LFGB) and the Cosmetics Directive (KVO).

Labelling according to the hazardous goods directive is not applicable.

**Storage/Shelf Life**

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

**Sizes Available**

- 250 ml tubes
- 1 litre bottles
- 2 litre soft bottles
- 2.5 litre bottle
- 5 litre canisters
- 10 litre bucket
- 1 litre refill bag

**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.
**rath's pr Clean L**

Special Hand Cleanser

Special hand cleanser for heavily adhering dirt. With gentle solvent.

Without abrasives, fragrance and preservatives

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**Application Area**

Special hand cleanser containing solvents

To remove heavy soiling such as paints, lacquers, resins and various types of adhesives etc., especially if pr88 has not been used for preventative protection.

**Usage and Dosage**

Add approx. 1-2 ml to the hands and carefully rub until the dirt has loosened, then rinse off by gradually adding water.

We offer a screw-top dosage pump for clean and economical dosing.

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**The Advantages at a Glance**

- Gentle cleansing for heavily adhering dirt
- No abrasives
- Free of fragrance and preservatives
- Suitable for dispenser
- Very good skin compatibility - dermatologically tested

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With gentle solvent
**Product Information**

Special ester-based solvent with surfactant mixture and replenishing and moisturising components.

This is not a solvent requiring declaration according to VbF (Directive on Flammable Liquids)

**Skin Compatibility**

Dermatest GmbH, Gesellschaft für allergologische Forschung, 48155 Münster

prClean L has been certified with very good skin compatibility after a dermatological test on human beings. No allergic or toxic-irritative reactions of incompatibility occurred during the patch test in accordance with international guidelines.

**Ingredients (INCI)**


**Environment**

prClean L is biologically degradable. Water hazard class: 2 (according to VwVwS)

**Safety and Legislation**

Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines. Their implementation in national legislation essentially takes place Germany with the Code Covering Food, Consumer Goods and Feed (LFGB) and the Cosmetics Directive (KVO).

**Storage/Shelf Life**

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

**Sizes Available**

1 litre bottles

**Dispensing and Dosing Systems**

Screw-top dosage pump - item 1010 - for 1 litre bottles plus optional wall bracket - item 1066.

**Important note**: The 1 litre aluminium dispensers are not suitable for (ester-based) products containing solvents.
**rath’s prClean D**

**Hand Cleanser**

Alcohol-based preparation for hygienic hand washing and decontamination in accordance with EN 1499. prClean D has an anti-bacterial effect, it reduces foreign germs found on the skin so well that is complies with the hygiene requirements in the food processing industry.

Without fragrances and dyes.

### Application Area

**Hand Cleanser**

For hygienic hand washing and hand decontamination

prClean D is primarily designed for the food industry i.e. for processing food in kitchen areas, in sales areas of fresh grocery departments, in the food processing industry etc. and can be used anywhere where higher demands are placed on hygiene and increased levels of germs can occur.

### Usage and Dosage

Add approx. 1-2 ml to the hands and carefully rub until the dirt has loosened, then rinse off by gradually adding water.

We offer suitable dispensing solutions for clean and economical dosing.

**The Advantages at a Glance**

- Without fragrance and dyes
- Suitable for dispenser
- Dermatologically tested

For hygienic hand washing and hand decontamination in one step
Product Information
Propanol, the active component in prClean D, is an effective microbicidal agent with a wide range of effectiveness in relation to gram-positive and gram-negative bacteria, as well as fungi and yeasts. Following repeated usage, prClean D has a remnant effect, i.e. a long-term inhibitory effect is achieved between applications, sustaining the reduced germ level over a longer period. The surfactants emulsify the adhering foreign materials and thereby enable them to be washed off well.

prClean D is a skin-friendly combination preparation for hygienic hand washing and hand decontamination

prClean D fulfils the DGHM/VAH test conditions for hand decontamination agents with 3 ml and 30 contact

Skin Compatibility
In the patch test (48 hour test on 50 test persons - mixed collective of normal healthy and sensitive, including allergic, persons) after 48 and 72 hours neither doubtful nor positive reactions were observed.

Technical data
Odour: alcohol
Density: 0.93 ± 0.02 g/cm³ (20 °C)
Viscosity: 2000 - 5000 mPa.s
pH-value: 6.3 ± 0.2
Microbiology: < 100 KBE/g

Ingredients (INCI)
Aqua, Propyl Alcohol, Disodium Cocoamphodipropionate, Didecyldimonium Chloride, Cocamine Oxide, Cellulose Gum, Citric Acid

Environment
Water hazard class: 2 (according to VwVwS)

Safety and Legislation
R-sets:
R10 Flammable

S-sets:
S7 Keep container tightly closed
S16 Keep away from sources of ignition - do not smoke
S62 If swallowed, do not induce vomiting. Seek immediate medical assistance and show the package or label

Storage/Shelf Life
prClean D can be stored between 0 and 25°C. The minimum shelf life for unopened containers is 24 months.

Sizes Available
1 litre bottles
2 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.
Skin Care Lotion

pr2000 nourishes the skin and prevents rough, cracked and dehydrated hands.

The mildly greasing and quickly absorbing nourishing lotion, rich in active ingredients, promotes the regeneration of stressed skin.

Application Area

Mildly greasing skin care lotion

Regular use after work contributes towards retaining the skin’s natural protection function.

Skin nourishing products make a contribution towards prevention of skin diseases.

Tip: We recommend skin protection and skin care lotion pr99 for skin in need of more oil and to nourish very dry skin.

Usage and Dosage

pr2000 is very economical. Apply the cream sparingly but carefully after cleansing the areas of skin.

Dosage volume approx. 0.5 - 1 ml

Also well suited to full body care.

We offer suitable dispensing solutions for clean and economical dosing.

Quick absorption

Rich in active ingredients

Free of silicones

Available mildly perfumed and perfume-free

HACCP-assessed

Extensive choice of dispensers and dosing systems

With high proportion of skin nourishing ingredients
**Product Information**

pr2000 is a supple, soft, easy to apply and quickly absorbing oil-in-water emulsion (O/W emulsion). To support the regeneration of stressed skin at work, pr2000 contains the following cosmetic ingredients:

Allantoin has an anti-inflammatory effect, reduces irritation, improves the moisture retention ability of the skin and promotes the regeneration of cells.

Panthenol (provitamin B5) has an anti-inflammatory effect and heals wounds (epithelising).

Vitamin E-acetate as a multifunctional skin protection vitamin increases the moisture retention ability of the skin, has an anti-inflammatory and epithelising effect and protects against free radicals.

Bisabolol (an essential camomile ingredient) has an anti-inflammatory, erythema reducing (erythema = skin reddening) and wound healing effect.

Vitamin F glycerol ester (complex essential ester fat acids) has a bacteriostatic and anti-infection effect and prevent rough, dry and brittle skin.

**Ingredients (INCI)**

Aqua, Paraffinum Liquidum, Cetearyl Ethylhexanoate, Ceteareth-25, Propylene Glycol, Ceteareth-6, Tocopheryl Acetate, Bisabolol, Panthenol, Allantoin, Glyceryl Linoleate, Glyceryl Linolenate, Glyceryl Stearate, Stearyl Alcohol, Cetearyl Alcohol, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Sodium Hydroxide, Citric Acid, Phenoxyethanol, Methylparaben, Ethylparaben, Propylparaben, Parfum

Comment: the product is also available perfume-free

**Environment**

pr2000 is biologically degradable. Water hazard class: 1 (according to VwVwS)

**Safety and Legislation**

Throughout the EU all cosmetic skin products are subject to the regulations of EC cosmetics guidelines.

**Storage/Shelf Life**

pr2000 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.

**Topicality:** 2015-03-23
for pr88 Skin Protection Cream

Stainless steel wall dispenser for 16 litre dispenser cartridge

Plastic wall dispenser with approx. 2 litre capacity to fill from 10 litre buckets

and other pr-products

Aluminium wall dispenser with stainless steel pump for 1 and 2.5 litre bottles (lockable)

Metal or plastic wall dispenser for 1 and 2 litre soft bottles

Plastic wall dispenser for 1 and 2.5 litre bottles (not illustrated)

Dosing pumps

For 1 and 2.5 litre bottles and 5 litre canisters

With stainless steel lid for the 10 litre prClean R bucket

Wall brackets

Stainless steel for 1 and 2.5 litre bottles and 5 litre canisters
<table>
<thead>
<tr>
<th>Article-No.</th>
<th>Dispenser and dosing systems</th>
<th>pr88</th>
<th>pr88 liquid</th>
<th>pr99</th>
<th>prDH</th>
<th>prUV</th>
<th>prClean</th>
<th>prClean +</th>
<th>prClean R</th>
<th>prClean L</th>
<th>prClean D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1088</td>
<td>Wall dispenser - stainless steel, for 1.6 litre dispenser cartridges</td>
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<tr>
<td>1099</td>
<td>Wall dispenser - aluminium - lockable, for 1 litre bottles</td>
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<tr>
<td>1090</td>
<td>Wall dispenser - plastic, for 1 litre bottles</td>
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</tr>
<tr>
<td>1010</td>
<td>Dosing pumps - 1 ml dosing volume for 1 litre bottles</td>
<td>+</td>
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<tr>
<td>1030</td>
<td>Dosing pumps - 3 ml dosing volume for 1 litre bottles</td>
<td>+</td>
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<tr>
<td>1030 R</td>
<td>Dosing pumps - 3 ml dosing volume for 1 litre bottles</td>
<td>+</td>
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<tr>
<td>1066</td>
<td>Wall brackets - stainless steel, for 1 litre bottles</td>
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<tr>
<td>1200</td>
<td>Wall dispenser - metal, for 1 and 2 litre soft bottles</td>
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<tr>
<td>1250</td>
<td>Wall dispenser - plastic, for 1 and 2 litre soft bottles</td>
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<tr>
<td>1077</td>
<td>Wall dispenser - aluminium - lockable, for 2.5 litre bottles</td>
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<tr>
<td>1040</td>
<td>Dosing pumps - no abrasives, for 2.5 litre bottles</td>
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<tr>
<td>1042 R</td>
<td>Dosing pumps - abrasives, for 2.5 litre bottles</td>
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<tr>
<td>1060</td>
<td>Wall brackets - stainless steel, for 2.5 litre bottles</td>
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<tr>
<td>1050</td>
<td>Dosing pumps - no abrasives, for 5 litre canisters</td>
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<td>+</td>
<td>+</td>
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<tr>
<td>1052 R</td>
<td>Dosing pumps - abrasives, for 5 litre canisters</td>
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<tr>
<td>1065</td>
<td>Wall brackets - stainless steel, for 5 litre canisters</td>
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<tr>
<td>1100</td>
<td>Dosing pump with stainless steel lid, for 10 litre bucket prClean R</td>
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</tbody>
</table>

The overview helps in selecting the appropriate dispenser and dosing systems for your application. We are happy to advise you personally - just call us at +49 25 97 / 96 24-0

Notes
++ very good combination, robust and durable - suitable for medium and large businesses / divisions
+ good combination - for small businesses / divisions suitable
1) inexpensive dispenser with easy convenience - suitable for small operators / departments
2) due to the solvent contained in prClean L other donors are not suitable solutions for prClean L
3) viable option as a supplement to the screw-dosing

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# Skin Protection Plan

## Company:

<table>
<thead>
<tr>
<th>FIELD OF APPLICATION</th>
<th>Before work</th>
<th>SKIN PROTECTION</th>
<th>SKIN CLEANSING</th>
<th>After work</th>
</tr>
</thead>
<tbody>
<tr>
<td>alternating skin hazards eg. oil, fat, dust, damp dirt/water also applicable under gloves</td>
<td>pr Multi</td>
<td>prClean plus or prClean R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oily, greasy working area eg. oil, fat, graphite, dust etc.</td>
<td>pr 88</td>
<td>prClean plus or prClean R</td>
<td></td>
<td>pr 2000 for normal skin low fat content</td>
</tr>
<tr>
<td>Strongly clinging soilin eg. lacquer, resins, adhesives.</td>
<td>pr 88</td>
<td>prClean L</td>
<td>pr 99</td>
<td>pr 99 for dry skin high fat content</td>
</tr>
<tr>
<td>Moist and wet working area eg. metal working fluids, water and cleansing solutions</td>
<td>pr 99</td>
<td>prClean plus or prClean R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin softening from wearing protective gloves</td>
<td>pr Dry Hands</td>
<td>prClean or prClean plus</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UV radiation eg. welding jobs and jobs under strong sunlight</td>
<td>pr UV</td>
<td>prClean plus or prClean R</td>
<td></td>
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</tr>
</tbody>
</table>
SKIN PROTECTION

Skin protection products can largely prevent contact with hazardous and skin damaging substances and when used regularly, reduce the risk of skin disease. They should be selected according to the specific workplace factors the skin will be exposed to.

SKIN CLEANSING

The selection of an appropriate product should be based on the type of substance to be removed. In order not to stress the skin unnecessarily, the mildest possible cleansing agent should be used.

SKIN CARE

Skin care agents protect against rough, dry and cracked hands and help to maintain the natural protective function of the skin thus reducing the likelihood of skin diseases.

DISPENSERS

Dispenser and dosing systems are easy to use, economical thanks to portion control and also improve company hygiene in general.