GREVEN. Healthy skin – safe work.

The professional skin protection programme
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The development and manufacturing of skin care products for occupationally stressed skin has a long tradition in our company. For more than 80 years, Peter Greven is concerned with the development and manufacturing of high quality products for clean and healthy skin. The company, which has been founded by Peter Greven in Bad Münstereifel in 1923 as a soap and glycerine manufacturer, today has become one of the leading enterprises for occupational skin care products in Germany. Due to our wide range of harmonizing products for effective protection, cleansing and care of occupationally stressed skin in conjunction with our comprehensive package of services, we offer our customers a powerful system for the effective prevention of occupational skin diseases. This concept, which duly takes into account the various skin care conditions and contaminations which may occur in different industrial sectors, has made our company one of the market leaders in Germany.

The basis for our success lies in:
- Continuous investments in research, development and innovation
- Outstanding cost-benefit-ratio
- Efficient logistics and maximum flexibility
- State-of-the-art production facilities
- Use of high-quality raw materials
- Strict quality controls (certified management systems for quality and environment according to DIN EN ISO 9001 and DIN EN ISO 14001, respectively)
- Highly qualified employees in all departments
- Comprehensive application-related customer consultation

As it is not only our aim to be good, we always strive for amelioration and the systematic improvement of our products and services. This goal can only be reached by continuous investments in research and development and the regular exchange of experiences with our customers and users. We offer you support from the first contact, analyse your particular situation and will even develop individual products according to your specific requirements.

Successful networking and cooperation: the partnership with PENATEN

The close cooperation with partners in industry and science has always been, and will continue to be, one of the crucial elements of our success. Our skin care and protection product line has, for example, been developed together with PENATEN. The know-how PENATEN has about the protection of sensitive skin combined with our knowledge in the field of occupational skin care allowed us to develop an optimal product line. In the meantime, these professional skin protection and care products have been developed further and are now exclusively distributed by Peter Greven. Today, we have fruitful partnerships with different well-known companies of the cosmetics and pharmaceutical industry in the areas of development and production.
Peter Greven proudly presents a global novelty: a hand cleanser suitable for extra-heavy dirt, which has an outstanding cleansing power but does not harm the skin by aggressive scrubbing agents. Owing to its innovative dirt-removing Active Soft Pearls (ASP), IVRAXO® Active Pearls acts highly effective against extra-heavy dirt and is at the same time gentle to the skin. The result: clean hands and healthy skin even if the hands are washed several times a day.

People who work with greases, oils, graphite, soot or other highly-adhesive substances usually have to clean their hands several times a day with hand cleaners for extra-heavy dirt. Up to now, this has been a problem because the effective cleaning of the hands had only been possible with products which contain hard, sharp-edged scrubbing agents, such as e.g. sand, walnut shell powder, maize cob meal or plastic scrubbers. By the regular use of products containing aggressive scrubbing agents, the horny layer of the skin is reduced. This may lead to micro lesions and an increasing risk for contact allergies, in extreme cases, even to abrasion dermatitis.

In order to reduce the above-mentioned skin hazards, many occupational dermatologists, occupational physicians and safety engineers do recommend the use of hand cleaners without scrubbers. But as their cleansing power in most cases is insufficient, these products are normally less accepted by the users. This dilemma is now solved by the global novelty which has recently been developed by Peter Greven: the Active Soft Pearls (ASP).

**Innovative dirt removing agents: Active Soft Pearls (ASP)**

The ASP, which are patent pending, support the cleansing effect of the tenside combination not by mechanical abrasion as conventionally scrubbers would do, but by their polar surface structure which is able to bind greasy dirt particles. The soft and smooth pearls made of hydrogenated castor oil (wax) are able to remove dirt particles without affecting the skin. Rather: waxes are preferentially used in skin caring products because of their gentle caring and smoothing effect. The picture on the right side shows the action mechanism of the Active Soft Pearls.
IVRAXO® Active Pearls: Highly effective against dirt – gentle to the skin

In the hand cleanser IVRAXO®, Active Pearls, the innovative ASP are used in combination with re-moisturizing glycerol-ester and in a mild but effective combination of tensides on the basis of acyl glutamate. In combination, these ingredients ensure a high cleansing power with outstanding skin compatibility.

Active Soft Pearls (ASP): The revolution for the gentle cleansing of extremely dirty hands

Active Soft Pearls (ASP) are soft and smooth pearls made of herbal wax on the basis of hydrogenated castor oil. ASP have a double effect on the cleansing efficiency: after the mechanical removal of the dirt particles, they are able to bind greasy substances owing to their polar surface structure.

Advantage through technology exclusively developed by Peter Greven

The Active Soft Pearls (ASP) have been developed in close cooperation between Peter Greven Hautschutz and the parent company Peter Greven Fett-Chemie, which is one of the leading manufacturers of oleo-chemical products worldwide and plays an important role in the pharmaceutical and cosmetics industry. The revolutionary dirt removing agents ASP are produced with their own technology and in their own company. This enables Peter Greven to take the lead in the sector of hand cleansers for extra-heavy dirt.

The scrubbing efficiency of Active Soft Pearls in comparison to walnut shell powder, maize cob powder and PE powder

<table>
<thead>
<tr>
<th>Substance</th>
<th>Medial weight reduction in mg</th>
<th>19-fold abrasion</th>
<th>16-fold abrasion</th>
<th>13-fold abrasion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Soft Pearls</td>
<td>0,40</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Walnut shell powder (bleached)</td>
<td>6,00</td>
<td>19-fold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE powder (plastic scrubbing agent)</td>
<td>6,37</td>
<td>16-fold</td>
<td></td>
<td></td>
</tr>
<tr>
<td>maize cob meal (bleached)</td>
<td>5,43</td>
<td>13-fold</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The results of an in-vitro measurement realized at Clausthal University of Technology Zellerfeld show the abrasion effect of different scrubbing agents and ASP. The measured abrasion of walnut shell powder has a 19-fold stronger effect than the abrasion of Active Soft Pearls according to the standardized testing.

IVRAXO® Active Pearls for extra-heavy dirt is available as fluid paste in bottles with 250 ml or soft bottles with 2 l contents which can be used with the IVRAXOMAT VARIO® dispenser system.
### LIGANA® skin protection products

<table>
<thead>
<tr>
<th>Protection against dirt</th>
<th>Protection against oil-soluble workplace substances</th>
<th>Protection against water-soluble workplace substances</th>
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</thead>
<tbody>
<tr>
<td>REMO-tec</td>
<td>OLEO-tec (SPEZIALCREME/-LOTION A)</td>
<td>AQUA-tec (SPEZIALCREME/-LOTION B)</td>
</tr>
<tr>
<td>Dirt-repellent skin protection cream</td>
<td>Protective cream/lotion against oil-soluble workplace substances</td>
<td>Protective cream/lotion against water-soluble workplace substances</td>
</tr>
</tbody>
</table>

#### Application area
- For highly-adhesive non-water soluble dirt or dry dirt such as oils, varnish, paints, tar, soot and bitumen
- For example oils, organic solvents, non-water soluble cooling lubricants, cutting oils and other oily substances
- For example water-based cooling lubricants, diluted acids or alkaline solutions, detergents and disinfectants as well as cement and lime

#### Characteristics
- Prevents the adhesion of dirt particles
- Considerably facilitates cleansing of the skin
- Increases the hands’ grip
- Silicone-free
- Perfumed
- Contains soil-suspending emulsifiers
- With glycerine and allantoin
- Reduces skin irritations
- O/w emulsion
- Silicone-free
- Perfumed
- Contains glycerine and beeswax
- Reduces skin irritations
- W/o emulsion
- Silicone-free
- Perfumed

#### Available packaging
- Cream:
  - 100 ml tube
  - 250 ml tube
  - 2000 ml soft bottle
- Lotion:
  - 250 ml bottle
  - 1000 ml bottle
  - 2000 ml soft bottle

The skin protection, skin cleansing and skin care products in 2,000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.
Skin protection products support the skin’s natural barrier function, for example, by building a protective film or by strengthening the upper layers of the skin. Adequate protection can only be reached with products which have especially been designed for the individual conditions and contaminations of the occupationally stressed skin. Caring substances as e.g. panthenol and allantoin will help to improve the natural regeneration of the skin. As the products may neither affect the skin’s functioning nor should have a negative effect on the working process, it is important that the products do not interact with the working material used or lead to a negative feeling of the skin. In order to prevent misapplications, the products’ application area should be clearly indicated. It also has to be assured that all employees apply the products correctly.

<table>
<thead>
<tr>
<th>Protection against changing workplace substances</th>
<th>Protection against specific contamination</th>
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</thead>
<tbody>
<tr>
<td><strong>NUTRI-safe</strong></td>
<td><strong>MULTI-tec</strong> (SPEZIALLOTION WA)</td>
</tr>
<tr>
<td><strong>Universal protective lotion with dual effect</strong></td>
<td><strong>UV-tec</strong> (SPEZIALLOTION UV)</td>
</tr>
<tr>
<td><strong>FROST-tec</strong></td>
<td><strong>Protection cream against cold and rough weather conditions</strong></td>
</tr>
</tbody>
</table>

**NUTRI-safe**
- Protective lotion against water-soluble workplace substances
- Food industry: For example water-soluble food additives, detergents and disinfectants
- • all ingredients are approved as foods or food additives
  • contains lipids of coconut and palm kernel oil
  • is quickly absorbed
  • has a soothing effect and contains caring substances
  • fragrance-free
  • without paraffin
  • silicone-free
  • contains moisturizing vitamin E

**MULTI-tec** (SPEZIALLOTION WA)
- Universal protective lotion with dual effect
- For workplaces with constantly changing harmful substances, unspecific skin hazards or where hands are exposed to mechanical stress, e.g. from tools, fibreglass, wire wool, also for workplaces which require the wearing of gloves
- • strengthens the upper layers of the skin
  • reduces skin irritations
  • supports the natural regeneration capability of the skin
  • o/w emulsion
  • silicone-free
  • perfumed or fragrance-free
  • contains glycerine, hamamelis and panthenol

**UV-tec** (SPEZIALLOTION UV)
- Protective lotion which covers UV-A, UV-B and UV-C radiation
- For UV radiation from artificial UV sources e.g. electric welding or electric arc welding work and from the sun (UV-A/UV-B)
- • protects against the harmful effects of natural and artificial UV radiation
  • protection against UV-A/UV-B radiation based on the Australian standard (SPF 15)
  • w/o emulsion
  • water-resistant
  • silicone-free
  • perfumed

**FROST-tec**
- Protection cream against cold and rough weather conditions
- Against specific exposure caused by cold, wind and rough weather conditions. Also suitable for work in cold stores.
- • reduces skin exposures coming from low temperature
  • contains beeswax and panthenol
  • w/o emulsion
  • silicone-free
  • perfumed

**Lotion:**
- 100 ml bottle
- 1000 ml bottle
- 2000 ml soft bottle

**Cream:**
- 100 ml tube

The skin protection, skin cleansing and skin care products in 2,000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.
## IVRAXO® skin cleansing products

### Skin cleansing products for light contamination

<table>
<thead>
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<th>Without scrubbing agents:</th>
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<td><strong>IVRAXO® SOFT V</strong></td>
<td>Mild skin cleansing lotion</td>
</tr>
<tr>
<td><strong>IVRAXO® SOFT N</strong></td>
<td>Mild colour- and fragrance-free skin cleansing lotion</td>
</tr>
<tr>
<td><strong>LIGANA® SYNDET</strong></td>
<td>Synthetic cleansing bar</td>
</tr>
<tr>
<td><strong>IVRAXO® SOFT K</strong></td>
<td>Mild cleansing lotion for hair &amp; body</td>
</tr>
</tbody>
</table>

**Application area**
- For light contamination e.g. for jobs in offices and administration
- For light contamination, especially suitable for the food processing industry
- For heavily stressed skin or sensitive skin
- For the cleansing of light and medium dirt, 2 in 1 shower gel for combined body and hair cleansing

**Characteristics**
- Good skin tolerance by balanced tenside combination
- Very skin-friendly through caring substances
- Re-moisturizing
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed
- Bacteriostatic effect
- Very skin-friendly through caring substances
- No colorants
- Re-moisturizing
- Adapted to the natural pH-value of human skin
- Soap-free
- Fragrance-free
- A cleansing bar based on skin- and environmental friendly tensides
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed
- Selected wash active substances ensure the gentle but thorough cleansing of body and hair
- Caring substances replenish lost moisture to the skin
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed

**Available packaging**
- **IVRAXO® SOFT V**
  - Lotion: 250 ml bottle
  - Lotion: 1000 ml bottle
  - 2000 ml soft bottle
  - 10 l canister

- **IVRAXO® SOFT N**
  - Lotion: 250 ml bottle
  - Lotion: 1000 ml bottle
  - 2000 ml soft bottle
  - 10 l canister

- **LIGANA® SYNDET**
  - Bar: 100 g bar

- **IVRAXO® SOFT K**
  - Lotion: 250 ml bottle
  - Lotion: 1000 ml bottle
  - 2000 ml soft bottle
  - 10 l canister

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The skin protection, skin cleansing and skin care products in 2,000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.
Cleansing products should be selected according to the type and degree of contamination, always bearing in mind the motto “as gentle as possible – as strong as necessary”. While cleansing products which are too strong do unnecessarily stress the skin, ineffective products may have for effect that employees turn to technical cleaners or aggressive solvents. The pH-value of our products has been adapted to the skin’s natural acid layer. The tenside combinations we use have been optimised to ensure outstanding skin tolerance and high cleansing power at the same time. The use of re-moisturizing substances generates a good feeling of the skin.

### Skin cleansing for medium dirt

**IVRAXO® SOFT B**

- Mild cleansing lotion with high cleansing power
- For medium to heavy dirt
- Thorough but gentle cleansing by balanced tenside combination
- Without scrubbing agents and solvent-free
- Re-moisturizing
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed

**IVRAXO® SOFT RS**

- Mild cleansing lotion with high cleansing power for the entire body
- For medium to heavy dirt, also suitable as shower gel
- Thorough but gentle cleansing by selected tenside combination
- Excellent skin-tolerance due to caring substances
- Without scrubbing agents and solvent-free
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed

**LIGA® WIPES**

- Wetwipes for hands and objects
- Cleansing wipes for a gentle removal of heavy dirt for a quick and mobile cleansing without water
- Non-woven wipes with a roughened side
- Alcohol-free cleansing solution
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed

### Cleansing products without scrubbing agents:

The skin protection, skin cleansing and skin care products in 2,000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.
# IVRAXO® skin cleansing products

## Skin cleansing products with scrubbing agents for heavy dirt

<table>
<thead>
<tr>
<th>IVRAXO®</th>
<th>IVRAXO® SOFT G</th>
<th>IVRAXO® SOFT SUPER</th>
<th>IVRAXO® SOFT HW</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="ACTIVE PEARLS" /> with ASP - free of sharp-edged scrubbing agents</td>
<td>Hand cleansing paste with soft plastic scrubbing agents for heavy dirt e.g. from greases, oils, metallic dust, graphite or soot, particularly if the hands are washed frequently</td>
<td>Hand cleansing paste with biodegradable scrubbing agents for heavy dirt e.g. from greases, oils, metallic dust, graphite or soot</td>
<td>Hand cleansing paste containing plastic scrubbing agents for heavy and extreme dirt e.g. from greases, oils, metallic dust, graphite or soot</td>
</tr>
<tr>
<td>Application area</td>
<td>Characteristics</td>
<td>Characteristics</td>
<td>Characteristics</td>
</tr>
</tbody>
</table>
| · excellent skin-tolerance through ACTIVE SOFT PEARLS (ASP): soft and smooth pearls made of herbal wax on the basis of hydrogenated castor oil  
· skin-friendly tenside combination  
· solvent-free  
· re-moisturizing  
· adapted to the natural pH-value of human skin  
· soap-free  
· perfumed | · thorough but gentle cleansing power  
· contains plastic scrubbers  
· solvent-free  
· re-moisturizing  
· adapted to the natural pH-value of human skin  
· soap-free  
· perfumed or fragrance-free | · thorough but gentle cleansing by biodegradable patented scrubbing agents made of natural bleached maize cob meal  
· contains biodegradable scrubbing agents  
· solvent-free  
· re-moisturizing  
· adapted to the natural pH-value of human skin  
· soap-free  
· perfumed | · very good skin-tolerance and high cleansing power through a combination of highly effective detergents  
· medicinal white oil has a re-moisturizing effect  
· contains plastic scrubbers  
· solvent-free  
· re-moisturizing  
· adapted to the natural pH-value of human skin  
· soap-free  
· perfumed |

*) also available fragrance-free

The skin protection, skin cleansing and skin care products in 2,000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.
Up to now, removal of greasy particles and highly adhesive dirt has only been possible with hand cleansers containing scrubbing agents – unless a protection cream has been applied beforehand. By the regular use of these products, the horny layer of the skin is reduced. This may lead to severe skin irritations.

With its Active Soft Pearls, which are patent pending, Peter Greven is now able to present a skin-friendly alternative to the conventional cleansing products containing scrubbers. Active Soft Pearls (ASP) are soft and smooth pearls made of herbal wax on the basis of hydrogenated castor oil which support the cleansing effect of the tenside combination not by mechanical abrasion as conventional scrubbers would do, but by their polar surface structure which is able to bind greasy dirt particles (see pages 4-5). One of our main aims in the formulation of hand cleansers for extra-heavy dirt which contain conventional scrubbing agents (e.g. PE, PU or maize cob meal) is to reduce abrasion to a minimum. Therefore, the maize cob meal used by Peter Greven e.g. is considerably less harder than other biological scrubbing agents.

The skin protection, skin cleansing and skin care products in 2.000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.

### Skin cleansing products for extreme dirt and specific contamination

**IVRAXO® SOFT ULTRA**
- Hand cleanser for highly adhesive dirt
  - Contains dirt-removing ester oils
  - Contains scrubbing agents made of polyethylene
  - Re-moisturizing
  - Adapted to the natural pH-value of human skin
  - Soap-free
  - Perfumed

**IVRAXO® SOFT U**
- Scrubber-containing hand cleansing cream
  - Contains plastic scrubbers
  - Solvent-free
  - Re-moisturizing
  - Adapted to the natural pH-value of human skin
  - Soap-free
  - Perfumed

**LIGA® HANDREINIGUNGSCREME/IVRAXO® INTENSIVE**
- Scrubber-containing hand cleansing cream
  - Excellent skin tolerance and outstanding cleansing power
  - Contains medicinal white oil which has a re-moisturizing effect
  - Contains plastic scrubbers
  - Solvent-free
  - Re-moisturizing
  - Adapted to the natural pH-value of human skin
  - Soap-free
  - Perfumed

**Hand cleansing paste with soft and smooth pearls made of hydrogenated castor oil (wax) ASP**
- For heavy and extra-heavy dirt e.g. from greases, oils, metallic dust, graphite or soot, particularly if the hands are washed frequently
- Excellent skin-tolerance through ACTIVE SOFT PEARLS (ASP):
  - Soft and smooth pearls made of herbal wax on the basis of hydrogenated castor oil
  - Skin-friendly tenside combination with strong cleansing power
  - Natural oil enforces the dirt removal
  - Solvent-free
  - Re-moisturizing
  - Adapted to the natural pH-value of human skin
  - Soap-free
  - Perfumed

**Hand cleansing paste containing plastic scrubbing agents**
- For heavy and extreme dirt e.g. from greases, oils, metallic dust, graphite or soot
- Good skin tolerance combined with high cleansing power
- Contains plastic scrubbers
- Solvent-free
- Re-moisturizing
- Adapted to the natural pH-value of human skin
- Soap-free
- Perfumed or fragrance-free

**Paste:**
- 250 ml bottle
- 2000 ml soft bottle

**Liga Handreinigungscreme:**
- 500 ml pot
- 9 kg bucket
- Intensive: 250 ml tube

**IVRAXO® HANDREINIGUNGSCREME**
- Scrubber-containing hand cleansing cream
  - Excellent skin tolerance and outstanding cleansing power
  - Contains medicinal white oil which has a re-moisturizing effect
  - Contains plastic scrubbers
  - Solvent-free
  - Re-moisturizing
  - Adapted to the natural pH-value of human skin
  - Soap-free
  - Perfumed

**Paste:**
- 250 ml bottle
- 1000 ml bottle
- 2000 ml soft bottle
- 10 l canister

*) Also available fragrance-free
Skin care products support the skin’s natural regenerative power and thereby strengthen its natural barrier function. Skin care products also provide the skin with moisture and, thus, increase skin elasticity.

### Skin care products

#### Skin care creams

<table>
<thead>
<tr>
<th>Product</th>
<th>Application area</th>
<th>Characteristics</th>
<th>Available packaging</th>
</tr>
</thead>
</table>
| LIGANA® UREA     | Suitable for dry, sensitive or stressed skin | - is slightly greasy and quickly absorbed  
- supports the natural regenerative process of damaged skin  
- contains urea, beeswax and allantoin  
- o/w emulsion  
- silicone-free  
- fragrance-free | Cream:  
50 ml tube  
2000 ml soft bottle |
| SPEZIALCREME C   | For normal to dry skin                     | - provides the skin with moisture and lipids in a balanced combination  
- supports the natural regenerative process of the skin  
- maintains the flexibility and resistance of the skin  
- is quickly absorbed  
- does not leave an annoying greasy film on the skin  
- w/o emulsion  
- silicone-free  
- perfumed | Cream:  
100 ml tube  
2000 ml soft bottle |

#### Body lotion

<table>
<thead>
<tr>
<th>Product</th>
<th>Application area</th>
<th>Characteristics</th>
<th>Available packaging</th>
</tr>
</thead>
</table>
| SPEZIALLOTION D   | Particularly suitable for use after washing, showering or bathing | - replenishes moisture and lipids to the skin  
- cares with moisturizing panthenol und allantoin  
- has an anti-inflammatory effect and supports the healing of wounds  
- o/w emulsion  
- silicone-free  
- perfumed or fragrance-free | Lotion:  
100 ml bottle*)  
250 ml bottle  
1000 ml bottle  
2000 ml soft bottle*)  
*) also available fragrance-free |
The skin protection, skin cleansing and skin care products in 2,000 ml soft bottles are designed for being used with the VARIO dispenser system manufactured by Peter Greven.

Dispenser systems

<table>
<thead>
<tr>
<th>Application</th>
<th>Characteristics</th>
<th>Dimensions</th>
<th>Characteristics</th>
<th>Dimensions</th>
</tr>
</thead>
</table>
| **Dispenser for 2000 ml soft bottles** | Suitable for Peter Greven skin-protection, cleansing and care products in 2000 ml soft bottles | Width: approx. 126 mm  
Height without lever: approx. 283 mm  
Height incl. lever: approx. 316 mm  
Depth: approx. 128 mm | • robust metal construction  
• optionally lockable  
• dispenser with plastic housing  
• optionally lockable | Width: approx. 94 mm  
Height without lever: approx. 290 mm  
Height incl. lever: approx. 351 mm  
Depth: approx. 130 mm  
Depth including pumping lever: approx. 151 mm |
| **IVRAXOMAT® VARIO** | Suitable for Peter Greven skin-protection, cleansing and care products in 2000 ml soft bottles | Width: approx. 134 mm  
Height without lever: approx. 283 mm  
Height incl. lever: approx. 316 mm  
Depth: approx. 128 mm | • stainless aluminium housing  
• also available with theft-proof cover on request | Width: approx. 127 mm  
Height: approx. 390 mm  
Depth: approx. 103 mm  
Depth incl. lever: approx. 185 mm |
| **IVRAXOMAT® VARIO ECO** | Suitable for Peter Greven skin-protection, cleansing and care products in 2000 ml soft bottles | Width: approx. 126 mm  
Height without lever: approx. 331 mm  
Height incl. lever: approx. 351 mm  
Depth: approx. 130 mm | • robust construction, suitable for industrial use  
• lockable cover  
• stainless steel pump, stainless steel lever and aluminium housing | Width: approx. 127 mm  
Height: approx. 390 mm  
Depth: approx. 103 mm  
Depth incl. lever: approx. 185 mm |
| **EUROMAT 1000** | Suitable for all dispensable products without scrubbing agents in 1000 ml hard bottles | Width: approx. 94 mm  
Height without lever: approx. 290 mm  
Height incl. lever: approx. 351 mm  
Depth: approx. 130 mm  
Depth including pumping lever: approx. 151 mm | Suitable for all hand cleansers with scrubbing agents in 2500 ml hard bottles | Width: approx. 127 mm  
Height: approx. 390 mm  
Depth: approx. 103 mm  
Depth incl. lever: approx. 185 mm |
| **EUROMAT 2500** | Suitable for all hand cleansers with scrubbing agents in 2500 ml hard bottles | Width: approx. 127 mm  
Height: approx. 390 mm  
Depth: approx. 103 mm  
Depth incl. lever: approx. 185 mm | Suitable for all hand cleansers with scrubbing agents in 2500 ml hard bottles | Width: approx. 127 mm  
Height: approx. 390 mm  
Depth: approx. 103 mm  
Depth incl. lever: approx. 185 mm |
Model of an integrated operational skin protection programme

Healthy skin - safe work(places)
Efficient and effective prevention of occupational skin diseases

For the effective prevention of skin diseases it is not only sufficient to develop effective products which are well tolerated by the skin. Moreover, it is essential that occupational skin protection programmes are consequently implemented into everyday routine. Other important factors for higher operational compliance are the user’s acceptance of the products, the product availability and successful training measures. In the light of cost discussions held in every company, it is to be expected that the evaluation of the economic efficiency of skin protection programmes will gain increasing importance. This comprehensive understanding of operational skin protection serves as basis for the continuous improvement of our products and services.
## Skin protection programme

<table>
<thead>
<tr>
<th>Skin contamination / Application area</th>
<th>Skin protection Before work</th>
<th>Skin cleansing Before and after work</th>
<th>Skin care After work</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Heavy dirt</strong></td>
<td>LIGANA® REMO-tec</td>
<td>Light dirt: IVRAXO® SOFT V</td>
<td>Hand cream:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IVRAXO® SOFT N</td>
<td>SPEZIALCREME C</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IVRAXO® SOFT K</td>
<td>LIGANA® UREA</td>
</tr>
<tr>
<td><strong>Oil-soluble substances</strong></td>
<td>LIGANA® OLEO-tec (SPEZIALCREME/-LOTION A)</td>
<td>Medium dirt: IVRAXO® SOFT B</td>
<td>Body lotion:</td>
</tr>
<tr>
<td>for example oils, organic solvents,</td>
<td></td>
<td>IVRAXO® SOFT RS</td>
<td>SPEZIALLOTION D</td>
</tr>
<tr>
<td>non-water soluble cooling lubricants,</td>
<td>LIGANA® AQUA-tec (SPEZIALCREME/-LOTION B)</td>
<td>Heavy dirt: IVRAXO® ACTIVE PEARLS</td>
<td></td>
</tr>
<tr>
<td>cutting oils and other oily substances</td>
<td>LIGANA® MULTI-tec (SPEZIALLOTION WA)</td>
<td>IVRAXO® SOFT G</td>
<td></td>
</tr>
<tr>
<td><strong>Water-soluble substances</strong></td>
<td>LIGANA® UV-tec (SPEZIALLOTION UV)</td>
<td>LIGANA® SOFT SUPER</td>
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</tr>
<tr>
<td>for example water-soluble cooling</td>
<td>LIGANA® Frost-tec</td>
<td>IVRAXO® SOFT HW</td>
<td></td>
</tr>
<tr>
<td>lubricants, diluted acids or alkaline</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>solutions, detergents as well as</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>cement and lime</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Constantly changing harmful</td>
<td></td>
<td>IVRAXO® ACTIVE PEARLS XTRA</td>
<td></td>
</tr>
<tr>
<td>substances or unspecific</td>
<td></td>
<td>IVRAXO® SOFT U</td>
<td></td>
</tr>
<tr>
<td>contaminations**</td>
<td></td>
<td>LIGA® Hand-reinigungsscreme</td>
<td></td>
</tr>
<tr>
<td><strong>UV-radiation</strong></td>
<td></td>
<td>IVRAXO® INTENSIVE</td>
<td></td>
</tr>
<tr>
<td>UV radiation from artificial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UV sources e.g. electric welding or</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>electric arc welding work</td>
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</tr>
<tr>
<td><strong>Cold and rough weather conditions</strong></td>
<td></td>
<td>Highly adhesive dirt</td>
<td></td>
</tr>
<tr>
<td>specific exposure caused by cold,</td>
<td></td>
<td>(Paint, varnish, bitumen etc.):</td>
<td></td>
</tr>
<tr>
<td>wind and rough weather conditions,</td>
<td></td>
<td>IVRAXO® SOFT ULTRA</td>
<td></td>
</tr>
<tr>
<td>also suitable for work in cold stores.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>