Mopping up hazardous substances safely
In order to mop up spilled hazardous substances without delay and to quickly stem the flow of leaks and prevent them from spreading, it is necessary to use absorbers/binders. They stop the risk of water contamination and therefore comply with the fundamental requirements for water protection according to the Water Management/ Resources Act (WHG) Art 1a as well as BGR 120.

Non-woven fabrics made from micro fibres
The absorbers are made from polypropylene micro fibres and are manufactured using the melt-blown process. They ensure a high absorption capacity of up to 17 times their own weight, easy handling and generate no abrasion particles or dust during use. Furthermore, they are characterised by their long service life, high resistance and tear strength as well as their optimum liquid storage. The non-woven fabric binders are environmentally friendly.

Granulate Binder
Granulate chemical binders have outstanding absorption capacities and due to their special composition enable both chemically and physically-based absorption. Apart from the formation of a barrier, the granulate binders are characterised by an absorption rate of up to 75 times their own weight and the formation of an effective emissions barrier. Granulate chemical binders are themselves non-flammable and provide the greatest possible safety when handling dangerous chemicals.

Test
The extra absorbent non-woven fabrics made from micro fibres and the granulate binder are tested by the MPA, Dortmund and the Hygiene Institute, Gelsenkirchen. The non-woven fabric binders also comply with the AFNOR standards NFT 90-360 (hydrophobic binders) and NFT 90-361 (hydrophilic binders), tested by the Centre de Documentation, de Recherche et d’Experimenteration sur les Pollutions Accidentelles des Eaux (CEDRE) in France.

Guidelines/regulations/laws
On the following websites you find current information about the guidelines, regulations and laws of Germany and the European Union available free of charge:
www.baua.de
www.eur-lex.europa.eu
www.reach-helpdesk.de

Packaging
Packaging is made from environmentally friendly and fully recyclable material. The products are given the maximum protection.

Delivery period
Delivery period on request.

Information
Subject to technical amendments. All dimensions and technical information are approximate. No liability accepted for mistakes or printing errors.
The non-woven fabric binders made from polypropylene micro fibres are ideally suited for rapidly absorbing a wide range of industrial liquids, e.g. hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.

- Absorbs up to **9.5 times its own weight**.
- High-quality, virtually **lint-free** quality due to spun-bonded fabric on the surface.
- High absorbency and long life.

**Absorber ①· 1.50.200 and ②· 1.50.100**

### Ordering information/Dimensions

<table>
<thead>
<tr>
<th>Description</th>
<th>Cloths</th>
<th>Roll of cloths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforation</td>
<td>lengthwise</td>
<td>lengthwise &amp; transverse perforated every 500 mm</td>
</tr>
<tr>
<td>Dimensions each in m</td>
<td>mm 400 x 500</td>
<td>40 (m) x 800</td>
</tr>
<tr>
<td>Packaging unit</td>
<td>VE Box (100 cloths)</td>
<td>Box (1 roll)</td>
</tr>
<tr>
<td>Net weight per VE</td>
<td>kg 6.8</td>
<td>10.8</td>
</tr>
<tr>
<td>Max. absorption capacity per VE</td>
<td>l 101</td>
<td>162</td>
</tr>
</tbody>
</table>

**Ref. no.** 11.50.100 11.50.200

### 7.1.2 Chemical absorbers – lint-free

The non-woven fabric binders made from polypropylene micro fibres are ideally suited for quickly absorbing leaking chemicals, e.g. acids, lye, alcohols, ketones, solvents and aromatic compounds.

- Absorbs up to **9.5 times its own weight**.
- High-quality, virtually lint-free quality due to spun-bonded fabric on the surface.
- High absorbency.
- Long life.
- Extreme tear strength due to the exclusive honeycomb patterned structure.
- The perforated versions enable diverse uses.

**Absorber ①· 1.51.200 and ②· 1.51.100**

### Ordering information/Dimensions

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<td>162</td>
</tr>
</tbody>
</table>

**Ref. no.** 11.51.100 11.51.200
7.2.1 Absorber emergency kit in transport box with rolls

The mobile transport box can be very flexibly used and is ideal for maintenance work. It is equipped with grey – extra absorbent – universal absorbers, which are suitable for absorbing all kinds of industrial fluids, e.g. hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.

- Fast and safe response on site.
- Transportbox with rolls for easy transport.
- Lockable box made from highly stable PVC.

Emergency kit consisting of:
- Absorber cloths: 35 pieces
- Absorber socks: 3 pieces
- Absorber pads: 2 pieces
- Cloths: 10 pieces
- Gloves: 1 pair
- Socks: 3 pieces

Ordering information/Dimensions

<table>
<thead>
<tr>
<th>Dimensions W x D x H mm</th>
<th>80 x 43 x 38</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>9.7 kg</td>
</tr>
<tr>
<td>Absorption capacity</td>
<td>75 l</td>
</tr>
<tr>
<td>Ref. no.</td>
<td>11.55.000</td>
</tr>
</tbody>
</table>
7.2.2 Absorber emergency kit in transport box

The emergency kit is particularly suitable for fast and flexible response. It is equipped with grey – extra absorbent – universal absorbers, which are suitable for absorbing all kinds of industrial fluids, e.g. hydrocarbons, cutting oils, coolants, hydraulic oils, solvents and water.

- Small and handy in practical transport box.
- Ideal emergency pack for carrying in vehicles.

**Emergency kit consisting of:**
- Absorber cloths: 35 pieces
- Absorber socks: 3 pieces
- Cloths: 10 pieces
- Gloves: 1 pair
- Sacks: 2 pieces

**Ordering information/Dimensions**
- Dimensions W x D x H mm: 58 x 39 x 33
- Weight: kg 4.4
- Absorption capacity: l 50
- Ref. no.: 11.55.100

7.3 Granulate binder

7.3.1 Universal oil and chemicals binder UNI-SAFE PLUS®

The oil and chemicals binder made from thermoset polymers can be used for all liquids. It is ideally suited for quickly and safely absorbing a broad spectrum of chemicals, e.g. nitric acid, peroxides, caustic soda or other violently reacting substances.

- Absorbs up to **75 times its own weight**.
- Economical and problem-free to measure out due to fine grain and good pourability.
- Disposal costs can be reduced by up to 60%.
- Does not trigger any dangerous reactions.
- Can also be used in heavy rain, pH-neutral.
- Absorbs and granulates hydrocarbons.
- Indicates the binder’s saturation by dry deposit on the surface.

**Tested and approved by MPA NRW**
- No. 22 000 4136 05 for use on traffic areas in accordance with the Oil Binder Guidelines Type III R – SRT test.
- Tested and approved by MPA NRW No. 22 000 4702 05 – occupational health and environmental safeness test.
- Tested by the Hygiene Institute, Gelsenkirchen (A 0933 D/02/hs).
- Has an indicator function - Indicator transition: acids (yellow) / lye (red).

**Note!**
Non-toxic, non allergenic, non-flammable (BZ 3), non-dust explosive ST O (VDI 3673), not statically chargeable, not harmful to health, non-impact sensitive.

**Indicator function**
- Acids (yellow)
- Lye (red)

**Ordering information/Dimensions**
- Absorber Lab bottle: kg 0.75
- Bottle with handle: 1.5
- Tub: 5.0
- Ref. no.: 11.90.910, 11.90.920, 11.90.930

Example – use of granulate binder