Productlist
Additives

(Stand 01.06.2011)

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33106 Paderborn

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## Table of contents:

I. Additives: ............................................................................................................. 3
   1. Activated carbon: ............................................................................................. 3
   2. Antioxidants: ..................................................................................................... 3
   3. Assistants in coating and ink: .......................................................................... 4
   4. Fluorescent whitener: ....................................................................................... 5
   5. Dyes and pigments: .......................................................................................... 6
   6. Flame retardant (non halogenic): ..................................................................... 8
   7. Flame retardant (halogenic): .......................................................................... 9
   8. Lubio: ................................................................................................................. 9
   9. Peroxides: ......................................................................................................... 13
  10. Photo initiator: .................................................................................................. 13
  11. Polybio: ............................................................................................................ 14
  12. Synbio: ............................................................................................................. 17
  13. UV-Stabilizer (Benzophenones): ..................................................................... 19
  14. UV-Stabilizer (Benzotriazoles): ..................................................................... 20
### I. Additives:

#### 1. Activated carbon:

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8. Lubio:

**Antiaging / Hydrolysis Protection:**

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# Productlist

## Antiaging / O₂ Protection:

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<td>Steric detained Phenoderivative</td>
<td></td>
</tr>
<tr>
<td>Lubio AO9</td>
<td>Ethoxychinolinderivative</td>
<td></td>
</tr>
<tr>
<td>Lubio AO10</td>
<td>Methylenstraped steric detained Phenolderivative</td>
<td></td>
</tr>
<tr>
<td>Lubio AO11</td>
<td>Steric detained Phenolderivatives</td>
<td></td>
</tr>
<tr>
<td>Lubio AO12</td>
<td>Steric detained organic Phosphoric compound</td>
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</tr>
<tr>
<td>Lubio AO14</td>
<td>Alkylidenbis(3-methyl-6-tert.-butylphenole)</td>
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</table>

## Antiaging / UV-Protection:

<table>
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<tr>
<th>[CAS-No.]</th>
<th>Name</th>
<th>Information/Documentation</th>
</tr>
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<tbody>
<tr>
<td>Lubio UV1</td>
<td>Hydroxyphenylbenzotriazol in Toluole</td>
<td></td>
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<tr>
<td>Lubio UV2</td>
<td>hydrous Dispersion of Benzotriazolderivatives</td>
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</tr>
<tr>
<td>Lubio UV3</td>
<td>2-Hydroxy-4-methoxybenzophenon-5-sulfonic acid</td>
<td></td>
</tr>
<tr>
<td>Lubio UV4</td>
<td>long-chained Benzotriazoles</td>
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### Operation liquids:

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<th>Information/Documentation</th>
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<tbody>
<tr>
<td>Lubio FL1</td>
<td>Polymeric Complex ester</td>
<td></td>
</tr>
<tr>
<td>Lubio FL2</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Lubio FL3</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Lubio FL4</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Lubio FL5</td>
<td>water-soluble Polymer-nano-suspension</td>
<td></td>
</tr>
<tr>
<td>Lubio FL6</td>
<td>water-soluble Polymer-nano-suspension (with Biozid)</td>
<td></td>
</tr>
<tr>
<td>Lubio FL7</td>
<td>sated Fat acid ester</td>
<td></td>
</tr>
<tr>
<td>Lubio FL8</td>
<td>Mineral oil</td>
<td></td>
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<tr>
<td>Lubio FL9</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Lubio FL10</td>
<td>Phosphoric acid Complex ester</td>
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### Adhesive agent and coagulants:

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<th>Name</th>
<th>Information/Documentation</th>
<th>Quality</th>
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</thead>
<tbody>
<tr>
<td>Lubio TF1</td>
<td>Polymer organic compound on Rap oil-base</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubio TF2</td>
<td>Polymer organic compound</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubio TF3</td>
<td>Polymer organic compound</td>
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### High pressure systems:

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<th>Information/Documentation</th>
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<tbody>
<tr>
<td>Lubio EP1</td>
<td>Combination sulfurized Isobutenes (in development)</td>
<td></td>
</tr>
<tr>
<td>Lubio EP 2</td>
<td>water-soluble DMTD-Derivative</td>
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### Corrosion protection:

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<th>Information/Documentation</th>
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<tbody>
<tr>
<td></td>
<td>Lubio CI1</td>
<td>water-soluble Phosphonoalkancarboxylate</td>
</tr>
<tr>
<td></td>
<td>Lubio CI2</td>
<td>Combination of Molybdates, Polyelectrolytes, Phosphonates</td>
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<tr>
<td></td>
<td>Lubio CI3</td>
<td>Nitrogen organic compound</td>
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### Solidifying point conditioner:

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<td>Lubio PPD1</td>
<td>Polymeric organic Compound</td>
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### Wearing protection systems:

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<th>Information/Documentation</th>
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<td>Lubio AW1</td>
<td>Combination selected Dialkyldithiophosphate</td>
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<tr>
<td></td>
<td>Lubio AW2</td>
<td>Dialkyldithiophosphatcluster (new)</td>
</tr>
<tr>
<td></td>
<td>Lubio AW3</td>
<td>high basic Dialkyldithiophosphat</td>
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<tr>
<td></td>
<td>Lubio AW4</td>
<td>Sulfur/Phosphoric acid ester (in development)</td>
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<tr>
<td></td>
<td>Lubio AW5</td>
<td>Combination selected Dialkyldithiophosphate (HQ)</td>
</tr>
<tr>
<td></td>
<td>Lubio AW6</td>
<td>2-Ethylhexylthiophosphate (oilfree)</td>
</tr>
<tr>
<td></td>
<td>Lubio AW7</td>
<td>Tricumolphosphate</td>
</tr>
<tr>
<td></td>
<td>Lubio AW8</td>
<td>long-chained hydrolysis stabilized org. Phosphoric compound(new)</td>
</tr>
<tr>
<td></td>
<td>Lubio AW9</td>
<td>Tricumolphosphate (special grade)</td>
</tr>
<tr>
<td></td>
<td>Lubio AW10</td>
<td>ecological Phosphoric acid ester</td>
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### 9. Peroxides:

<table>
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<tr>
<td></td>
<td>tert-Butyl hydroperoxide</td>
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<td></td>
<td>Di-tert-butyl peroxy-2-Ethylhexanoate</td>
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<td></td>
<td>tert-Butyl peroxy Pivalate</td>
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<td></td>
<td>tert-Butyl peroxy Neodecanoate</td>
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### 10. Photo initiator:

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<tr>
<td>24650-42-8</td>
<td>BDK</td>
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<td>134-81-6</td>
<td>Benzil</td>
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<td>119-53-9</td>
<td>Benzoin</td>
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<tr>
<td>119-61-9</td>
<td>Benzophenone</td>
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<td>83846-85-9</td>
<td>BMS</td>
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<td>1552-42-7</td>
<td>CVL</td>
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<td>82799-44-8</td>
<td>DETX</td>
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<td>10287-53-3</td>
<td>EDP</td>
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<td>21245-02-3</td>
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<td>90-93-7</td>
<td>EMK</td>
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<td>5495-84-1</td>
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<td>603-48-5</td>
<td>LCV</td>
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<td>15206-55-0</td>
<td>MBF</td>
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<td>134-84-9</td>
<td>MBZ</td>
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<td>606-28-0</td>
<td>OMBB</td>
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<td>2128-93-0</td>
<td>PI-PBZ</td>
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<td>68400-54-4</td>
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<td>119313-12-1</td>
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<td>947-19-3</td>
<td>PO-184</td>
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<td>15305-07-4</td>
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### Productlist

<table>
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<td>2226-96-2</td>
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<td>PO-1173</td>
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### 11. Polybio:

**Antiaging / Hydrolysis protection:**

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<th>[CAS-No.]</th>
<th>Name</th>
<th>Information/Documentation</th>
<th>Quality</th>
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</thead>
<tbody>
<tr>
<td>Polybio Hystab 1</td>
<td></td>
<td>good biodegradable organic compound</td>
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</tr>
<tr>
<td>Polybio Hystab 2</td>
<td></td>
<td>good biodegradable organic compound to food daily needs</td>
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</tr>
<tr>
<td>Polybio Hystab 10</td>
<td></td>
<td>good biodegradable organic compound with diverse</td>
<td>FDA-administration</td>
</tr>
<tr>
<td>Polybio Hystab 10/DL</td>
<td></td>
<td>Immobilised and powdery Hystab10</td>
<td></td>
</tr>
<tr>
<td>Polybio Hydrostab 1</td>
<td></td>
<td>Steric detained Carbodiimid</td>
<td></td>
</tr>
<tr>
<td>Polybio Hydrostab 2</td>
<td></td>
<td>Steric detained Polycarbodiimid</td>
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</tbody>
</table>
### Antiaging / O₂-protection:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Name</th>
<th>Information/Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Polybio AO 1</td>
<td>BHT with FDA-administration (powder)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 2</td>
<td>long-chained „BHT“ (liquid)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 3</td>
<td>high-polymeric steric detained Phenolderivative (powder)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 4</td>
<td>TMQ (powder)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 4P</td>
<td>TMQ (Pastills)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 5</td>
<td>super-song-chained “BHT“ (liquid)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 6</td>
<td>high active aminic Antioxidans (liquid)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 7</td>
<td>Combination steric detained Phenole (solid)</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 8</td>
<td>Steric detained Phenolderivative</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 9</td>
<td>Ethoxychinolinderivative</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 10</td>
<td>Methylene-striped steric detained Phenolderivative</td>
</tr>
<tr>
<td></td>
<td>Polybio AO 11</td>
<td>Steric detached Phenolpropionate</td>
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<td>Polybio AO 12</td>
<td>Steric detached organischic Phosphoric compound</td>
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<td>Polybio AO 13</td>
<td>Steric detached Phenole</td>
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### Antiaging / UV-protection:

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<th>Information/Documentation</th>
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<tr>
<td></td>
<td>Polybio UV 1</td>
<td>liquid lipophilic UV-Absorber</td>
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<td>Polybio UV 2</td>
<td>liquid UV-Absorber with FDA-administration</td>
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<td>Polybio UV 3</td>
<td>water-soluble UV-Absorber (powder)</td>
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### Catalysators:

<table>
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<th>Name</th>
<th>Information/Documentation</th>
</tr>
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<tr>
<td></td>
<td>Polykat 1</td>
<td>organic Phosphoric compound</td>
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<td>Polykat 2</td>
<td>organic Phosphoric compound</td>
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## Santicizer systems:

<table>
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<tr>
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<th>Name</th>
<th>Information/Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polybio FL 1</td>
<td>Polymeric Complex ester</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 2</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 3</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 4</td>
<td>Complex ester</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 5</td>
<td>water soluble Polymer-nano-dispersion</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 6</td>
<td>water soluble Polymer-nano-dispersion (with Biozid)</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 7</td>
<td>2-Ethylhexyl-3-octyloxiran-2-octanoat</td>
<td></td>
</tr>
<tr>
<td>Polybio FL 8</td>
<td>Mineraloil</td>
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</tr>
<tr>
<td>Polybio FL 9</td>
<td>Complex ester</td>
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</tr>
<tr>
<td>Polybio FL 10</td>
<td>flame resistant Phosphoric acid Complex ester</td>
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12. **Synbio:**

**Antiaging / Hydrolysis protection:**

<table>
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<th>Information/Documentation</th>
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<tr>
<td></td>
<td>Synbio Hystab 1</td>
<td>Combinations aktivity organic compound</td>
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<td>Synbio Hystab 2</td>
<td>Combinations aktivity organic compound</td>
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<td></td>
<td>Synbio Hystab 10</td>
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<td>Synbio Hystab 9</td>
<td>Combinations aktivity organic compound</td>
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<td>Synbio Hydrostab 1</td>
<td>Steric detained Carbodiimide</td>
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<td>Synbio Hydrostab 2</td>
<td>Steric detained Polycarbodiimid</td>
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**Antiaging / \(O_2\)-protection:**

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<th>Information/Documentation</th>
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<tr>
<td></td>
<td>Synbio AO 1</td>
<td>BHT with FDA-administration (powder)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 2</td>
<td>long-chained „BHT“ (liquid)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 3</td>
<td>high polymeric steric detained Phenolderivative (powder)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 4</td>
<td>TMQ (powder)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 4P</td>
<td>TMQ (Pastills)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 5</td>
<td>super long-chained „BHT“ (liquid)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 6</td>
<td>high activity aminsic Antioxidans (liquid)</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 7</td>
<td>Combination steric detained Phenole (solid)</td>
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<tr>
<td></td>
<td>Synbio AO 8</td>
<td>steric detained Phenoderivative</td>
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<tr>
<td></td>
<td>Synbio AO 9</td>
<td>Ethoxychinolinderivat</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 10</td>
<td>Methylenverbrücktes sterisch gehindertes Phenolderivat</td>
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<td></td>
<td>Snybio AO 11</td>
<td>Sterisch gehindertes Phenolpropionat</td>
</tr>
<tr>
<td></td>
<td>Synbio AO 12</td>
<td>Sterisch gehinderte organische Phosphorverbindung</td>
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<td>Synbio AO 14</td>
<td>Alkylidenbis(3-methyl-6-tert.-butylphenol)</td>
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### Catalyst systems:

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<th>Information/Documentation</th>
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<td>Synbio NCL 1</td>
<td>Polymeric Zinc-Cluster</td>
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<td>Synbio NCL 2</td>
<td>Polymeric Zinc-Cluster (immobilisiert)</td>
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<td>Synbio NCL 3</td>
<td>Polymeric Zinc-Cluster</td>
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<td>Synbio NCL 4</td>
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<tr>
<td>Synbio Nanovulc 1</td>
<td>Polymeric Zinc-Cluster</td>
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### Cross linking agent systems:

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<td>Synbio DMTD</td>
<td>2,5-Dimercapto-1,3,4-thiadiazol</td>
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<td>Synbio Sulfosafe</td>
<td>organic Disulfid (non Nitrosamineducational)</td>
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### Santicizer systems:

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<th>Information/Documentation</th>
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<td>Synbio FL 1</td>
<td>Polymeric Complex ester</td>
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</tr>
<tr>
<td>Synbio FL 2</td>
<td>Complex ester</td>
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</tr>
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<td>Synbio FL 3</td>
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<td>Synbio FL 5</td>
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<td>water soluble Polymer-nano-suspension (with Biozid)</td>
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<td>Synbio FL 7</td>
<td>2-Ethylhexyl-3-octyloxiran-2-octanoat</td>
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<td>Synbio FL 8</td>
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<td>Synbio FL 9</td>
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<td>Synbio FL 10</td>
<td>Phosphoric acid Complex ester</td>
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13. **UV-Stabilizer (Benzophenones):**

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<th>CAS-No.</th>
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<th>Quality</th>
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<tbody>
<tr>
<td>131-56-6</td>
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<tr>
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<td>1843-05-6</td>
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<td>52829-07-9</td>
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### 14. UV-Stabilizer (Benzotriazoles):

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<td>104810-47-1</td>
<td>UV-1130</td>
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Further products on request / Custom synthesis