Chemical Compatibility of Eppendorf Consumables

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Well-Known Eppendorf Products
Chemical Stability Guide - Consumables

Using this Guide...

Materials in selected Eppendorf products

- PE Polyethylene
- PP Polypropylene
- PC Polycarbonate
- autoclavable

- All tubes
- When not in use
- Eppendorf tubes® (DWF, MTF, Leving)
- If unsealed, but the dimensional stability can be affected

- Camsil tubes advanced®
- Cylinder
- Pipette
- Adapter for 25 mL and 50 mL Polyethylene terephthalate (PET) min., autoclavable at least 100 times
Using this Guide...

<table>
<thead>
<tr>
<th>Chemicals</th>
<th>Concentration in %</th>
<th>Other names</th>
<th>Temperature °C</th>
<th>PE</th>
<th>PP</th>
<th>PC</th>
<th>Steam pressure at 20 °C (kPa)</th>
<th>Density at 20 °C (g/ml)</th>
<th>Viscosity at 20 °C (mPa.s)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetol:byl:de</td>
<td>0</td>
<td>Ethanol</td>
<td>20 60</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>1004</td>
<td>0.78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>25-60</td>
<td>Ethane acid</td>
<td>40 60</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1.06</td>
<td>1.22</td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>100</td>
<td>Dimethylketone</td>
<td>20 60</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>3</td>
<td>245</td>
<td>0.79</td>
<td></td>
</tr>
<tr>
<td>Ammonium hydr:de</td>
<td>30</td>
<td></td>
<td>60</td>
<td>1</td>
<td>2</td>
<td>0</td>
<td>483</td>
<td>0.89</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 = resistant; the material does not change even after longer contact with the substance.
2 = conditionally resistant; if the material gets in contact with the substance only for a short time it does not change.
3 = non-resistant; the material already changes after a short contact with the substance.
0 = no existing value.

Thanks!

For questions, please come visit me at my table...