DuPont™ Vertrel® SDG and Vertrel® SFR
SPECIALTY FLUID

Introducing the most powerful cleaning solvents in their class

Effective cleaning is challenging and the evolving regulatory landscape limits good cleaning solvent choices. DuPont introduces Vertrel® SDG and Vertrel® SFR to solve your most difficult cleaning problems.

Both Vertrel SDG and Vertrel SFR offer the following:

- Fast drying; non-flammable; with superior solvency; and safe for use
- Accepted by the U.S. Environmental Protection Agency under the Significant New Alternatives Policy (SNAP) program
- Significantly safer choice vs. TCE and nPB
  - Designed to replace ozone depleting solvents like HCFC-225
- Effective in removing high temperature lead-free flux.

<table>
<thead>
<tr>
<th></th>
<th>DuPont™ Vertrel® SDG</th>
<th>DuPont™ Vertrel® SFR</th>
<th>Novec® 72DA</th>
<th>Novec® 72DE</th>
<th>HCFC-225</th>
<th>nPB</th>
<th>TCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (C/F)</td>
<td>43/109</td>
<td>41/106</td>
<td>44/111</td>
<td>43/109</td>
<td>54/129</td>
<td>71/160</td>
<td>87/189</td>
</tr>
<tr>
<td>Specific Gravity @ 25 C</td>
<td>1.29</td>
<td>1.28</td>
<td>1.27</td>
<td>1.28</td>
<td>1.55</td>
<td>1.35</td>
<td>1.46</td>
</tr>
<tr>
<td>kB Value</td>
<td>95</td>
<td>101</td>
<td>58</td>
<td>52</td>
<td>31</td>
<td>125</td>
<td>129</td>
</tr>
<tr>
<td>Flash Point</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Exposure Limit (ppm)</td>
<td>193</td>
<td>187</td>
<td>Similar</td>
<td>Similar</td>
<td>100</td>
<td>10</td>
<td>5</td>
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<tr>
<td>Ozone Depletion Potential</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.03</td>
<td>0.26</td>
<td>0</td>
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<tr>
<td>Phaseout Date</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>2015</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

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If you are interested in purchasing or finding out more about DuPont™ Vertrel® please use the list below to contact the DuPont office closest to you.

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