1. INTRODUCTION
AMOLEA™AT1 is an azo trope mixture of trans-1,2-dichloroethylene, HFE-347pc-f (ASAHIKLIN™ AE-3000), and ethanol. AMOLEA™AT1 is suitable for degreasing use of cutting oils etc..

2. Physical properties

Table.1 Physical properties of AMOLEA™AT1

<table>
<thead>
<tr>
<th>Property</th>
<th>Unit</th>
<th>AMOLEA™ AT1</th>
<th>ASAHIKLINTMAK-225</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>°C</td>
<td>42</td>
<td>54</td>
</tr>
<tr>
<td>KB-value</td>
<td>[-]</td>
<td>38</td>
<td>31</td>
</tr>
<tr>
<td>Density*1</td>
<td>[-]</td>
<td>1.35</td>
<td>1.55</td>
</tr>
<tr>
<td>Vapor pressure*1</td>
<td>[kPa]</td>
<td>56</td>
<td>38</td>
</tr>
<tr>
<td>Specific heat*1</td>
<td>[kJ/(kg°C)]</td>
<td>1.34</td>
<td>1.00</td>
</tr>
<tr>
<td>Latent heat of evaporation*2</td>
<td>[kJ/kg]</td>
<td>200</td>
<td>145</td>
</tr>
<tr>
<td>Ozone depleting potential(ODP)</td>
<td></td>
<td>CFC-11=1</td>
<td>0</td>
</tr>
<tr>
<td>Global warming potential(GWP)*3</td>
<td></td>
<td>CO₂=100yarlTH</td>
<td>274</td>
</tr>
<tr>
<td>AEL(8hrs-TWA)*4</td>
<td>ppm</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>


3. The degreasing performance
The degreasing performance of AMOLEA™ AT1 is similar to ASAHIKLINTMAK-225.

Table 2. The performance of degreasing of AT1

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Remained oil( mg /piece)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT1</td>
<td>&lt;0.002</td>
</tr>
<tr>
<td>AK-225</td>
<td>&lt;0.002</td>
</tr>
<tr>
<td>Not-degreasing</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Method: 50 pieces of D5mm SUS304 balls with cutting oil were degreased by the following method.
- Immerse (10s) – rinse(10s) – vapor(10s)

4. Safety
AMOLEA™ AT1 is nonflammable, and AEL is 100ppm 8-hrs TWA. Please refer to the SDS (Safety Data Sheet) concerning other safety items.