Molecular formula: \( C_6H_{11}ClO_3 \)
Molecular weight: 166.5
CAS number: 98298-66-9
EC number: 424-590-8

SYNONYM
-

APPEARANCE:
Clear liquid.

PHYSICAL PROPERTIES
Density (20 °C): 1.085 g/cm³
Boiling point: 170 °C/105Pa
Melting point: -80 °C
Solubility:
Soluble in the main common organic solvents (toluene, acetone, THF).
Not soluble in water.

USES
- Synthesis intermediate for pharmaceuticals and fine chemicals.
1-CHLOROETHYL ISOPROPYL CARBONATE (1CEIC)

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Guaranteed value</th>
<th>Method</th>
<th>Operating procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>clear liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>≤ 100 APHA</td>
<td>Colorimetry</td>
<td>C – 210</td>
</tr>
<tr>
<td>Purity</td>
<td>≥ 98.5 %</td>
<td>Gas chromatography</td>
<td>GC – 388</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>≤ 0.5 %</td>
<td>Gas chromatography</td>
<td>GC – 388</td>
</tr>
<tr>
<td>1-Chloroethyl ethyl carbonate</td>
<td>≤ 0.1 %</td>
<td>Gas chromatography</td>
<td>GC – 388</td>
</tr>
<tr>
<td>Di-isopropyl carbonate</td>
<td>≤ 1.0 %</td>
<td>Gas chromatography</td>
<td>GC – 388</td>
</tr>
<tr>
<td>Isopropyl vinyl carbonate</td>
<td>≤ 0.5 %</td>
<td>Gas chromatography</td>
<td>GC – 388</td>
</tr>
<tr>
<td>Largest unidentified impurity</td>
<td>≤ 0.2 %</td>
<td>Gas chromatography</td>
<td>GC – 388</td>
</tr>
<tr>
<td>Water</td>
<td>≤ 0.10%</td>
<td>Karl-Fischer</td>
<td>K – 110</td>
</tr>
</tbody>
</table>

PACKAGING
Polyethylene lined metal drums containing 180kg.

HANDLING PRECAUTIONS
- Physicochemical hazard:
  Flash point: 59°C

- Health hazard:
  LD 50 (rat, oral): >2000mg/kg.
  Sensitization by skin contact. Irritant.

- Destruction:
  Incineration.

STORAGE
Stored in its closed original drum in a covered, dry, cool and well-ventilated warehouse the product is stable.
However, in case of prolonged storage it is recommended to check again the product before use by measuring typical quality parameters.

TRANSPORT
Refer to MSDS.

Nr. 3500 D August, 2016