Hexachloroacetone (HCA) high purity

Chlorinated Intermediates

Clear, colourless to yellowish liquid with a characteristic, slightly pungent odour

CAS No. 116-16-5 | Empirical formula C₃Cl₆O | Molecular weight 264.8

Properties

- Two grades available: min. 99.2% and min. 99.8%
- Storage stability of at least 12 months
- REACH SCC: handling as intermediate under strictly controlled conditions
- One of the largest producers worldwide
- Efficient utilization of side streams

Technical data

Specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance of liquid</td>
<td>-</td>
<td>colourless, clear, liquid</td>
<td>Visual Control</td>
</tr>
<tr>
<td>Content</td>
<td>-</td>
<td>min. 99.8 %</td>
<td>GC</td>
</tr>
<tr>
<td>Identity</td>
<td>-</td>
<td>positive</td>
<td>IR</td>
</tr>
<tr>
<td>Water</td>
<td>-</td>
<td>max. 0.005 %</td>
<td>DIN 51777</td>
</tr>
</tbody>
</table>
General Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>17 hPa</td>
<td>73 °C</td>
<td>-</td>
</tr>
<tr>
<td>Density</td>
<td>20 °C</td>
<td>1.7412 g/cm³</td>
<td>-</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>-</td>
<td>&gt; 600 °C</td>
<td>DIN 51794</td>
</tr>
<tr>
<td>Solidification point</td>
<td>-</td>
<td>-3 °C</td>
<td>-</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>20 °C</td>
<td>17.5 g/l</td>
<td>OECD 105</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>20 °C</td>
<td>0.29 hPa</td>
<td>-</td>
</tr>
<tr>
<td>pH</td>
<td>10 g/l</td>
<td>21 °C</td>
<td>3.5</td>
</tr>
</tbody>
</table>

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product’s fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties’ rights.

Applications

- Agrochemical Solutions
- Building Blocks (Agro)
- Building Blocks for Synthesis (Pharma)
- Pharma

Application details

- Precursor for deuterochloroform
- Manufacture of hexafluorobisphenol A as crosslinking agent for fluorocarbon elastomers
- Chlorination agent for drugs (API)
- Building block for agrochemical substances/actives

Packaging and storage

Packaging

Drums internally lacquered 216 l (280 kg net)

Storage

Storage stability for at least: 12 months

Further information for storage: Keep in the original container in a cool well ventilated place. Keep container dry and tightly closed.

Storage beyond the recommended period does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.
Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site http://www.wacker.com.

For technical, quality or product safety questions, please contact:

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productinformation@wacker.com, www.wacker.com

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