Monochloroacetone Stab Drapex (MCA)

Chlorinated Intermediates

Clear, dark-coloured, mobile and strong lachrymatory liquid with pungent odour.

CAS No. 78-95-5  |  Empirical formula C₃H₅ClO  |  Molecular weight 92.53

Properties

- Content min. 96.0%
- Stabilized with 0.1% Drapex 39 (epoxidized soy bean oil)
- Storage stability of at least 12 months
- REACH: SCC (handling as intermediate under strictly controlled conditions)
- One of the largest producers worldwide

Technical data

Specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>-</td>
<td>colourless to light brown</td>
<td>Visual Control</td>
</tr>
<tr>
<td>Monochloroacetone</td>
<td>-</td>
<td>96.0 %</td>
<td>GC</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>1013 hPa</td>
<td>115 °C</td>
<td>-</td>
</tr>
<tr>
<td>Density</td>
<td>20 °C</td>
<td>1.1521 g/cm³</td>
<td>DIN 51757</td>
</tr>
<tr>
<td>Flash point</td>
<td>-</td>
<td>38 °C</td>
<td>DIN 51755</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>-</td>
<td>600 °C</td>
<td>DIN 51794</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>-</td>
<td>3.4 Vol-%</td>
<td>-</td>
</tr>
<tr>
<td>Melting point</td>
<td>not applicable</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>20 °C</td>
<td>148.6 g/l</td>
<td>-</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>20 °C</td>
<td>7.9 hPa</td>
<td>-</td>
</tr>
<tr>
<td>pH</td>
<td>10 g/l</td>
<td>21 °C</td>
<td>4.8</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 (Pharma)
- Exterior Paints
- Paints, Coatings, Inks
- Pharma

## Application details

- For synthesis of heterocycles (g.g. imidazoles, thiazoles, pyroles, thiophenes, thiazines, 1,3,4 thiadiazines).
- Building block for the synthesis of pharmaceuticals (e.g. Benzaron, Benziodarone, Bometolol, Denbufyllin, Enoximone, Fenetylin, Mexiletine, Ofloxacin etc.).
- Building block for pesticides (Thiabendazole, herbicide-safeners, insecticides).
- Building block for dyes.
Packaging and storage

Packaging
Drum with PE-inner liner 205l (220 kg net)

Storage
Keep in the original container in a cool well ventilated place. Keep container dry and tightly closed.
The product is stabilized with Drapex 39 (epoxidized soy bean oil, approx. 0.1%).

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.

QR Code Monochloroacetone Stab Drapex (MCA)