SPECIFICATION

Code No. 09580

ADCI

CAS No. 40953-34-2

EEC No. 255-163-2

Chemical Name 2-Aminoimidazole-4,5-dicarbonitrile

2-Amino-4,5-dicyano-1H-imidazole

Structure

\[
\begin{array}{c}
\text{NC} \\
\text{N} \\
\text{NC} \\
\text{H} \\
\text{NH}_2 \\
\text{NC}
\end{array}
\]

Molecular Formula C$_5$H$_3$N$_5$

Molecular Weight 133.11

Product Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Beige to brown crystalline powder</td>
</tr>
<tr>
<td>Assay (%)</td>
<td>≥ 98.0</td>
</tr>
<tr>
<td>Loss on drying (%)</td>
<td>≤ 1.0</td>
</tr>
</tbody>
</table>

Storage

Cool, dry, tightly closed

Application

Intermediate in organic syntheses

Changes in comparison to previous issue do not relate to contents.