Technical data sheet

Butyl glycol acetate (BGA)
Version: February 2009

Synonyms
Butyl glycol acetate

Formula
C₈H₁₆O₃

Structural formula

\[
\begin{align*}
\text{O} & \quad \text{O} \\
\text{CH}_3 & \quad \text{CH}_3
\end{align*}
\]

Molecular weight: 160.21

CAS number
112-07-2

EINECS number
203-933-3

Product specification

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Unit</th>
<th>Value</th>
<th>Method*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td>Clear Liquid, free from suspended matter</td>
<td>Visual</td>
</tr>
<tr>
<td>Colour</td>
<td>APHA/Hazen</td>
<td>&lt;= 10</td>
<td>AM 018</td>
</tr>
<tr>
<td>Odour</td>
<td></td>
<td>&lt;= 0.01 Characteristic</td>
<td>AM 074</td>
</tr>
<tr>
<td>Acidity as acetic acid</td>
<td>%</td>
<td>&lt;= 0.2</td>
<td>AM 006</td>
</tr>
<tr>
<td>Water content</td>
<td>%</td>
<td>&gt;= 99.0</td>
<td>AM 023</td>
</tr>
<tr>
<td>Ester content</td>
<td>%</td>
<td></td>
<td>AM 999</td>
</tr>
</tbody>
</table>

* Internal methods available upon request.
Typical properties

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Unit</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point @ 760 mmHg</td>
<td>°C</td>
<td>192</td>
</tr>
<tr>
<td>Density @ 20 °C</td>
<td>g/ml</td>
<td>0.94</td>
</tr>
<tr>
<td>Melting Point</td>
<td>°C</td>
<td>-64</td>
</tr>
<tr>
<td>Flash point (closed cup)</td>
<td>°C</td>
<td>76</td>
</tr>
</tbody>
</table>

Main applications

Main applications for BGA are:

- BGA is a good solvent for many natural and synthetic resins;
- BGA is a widely used in printing inks, paint formulations;
- BGA is used in a variety of surface coating formulations where limited water miscibility and low volatility are required.

Handling

Storage:
The packaged material shall be kept into its original packaging, in cool and well ventilated place, neither under rain nor in wet places, away from flames and heating sources. The bulk material shall be stored in stainless steel tanks, under nitrogen blanketing; for a long lasting quality the material shall be kept at ambient temperature (ideally not above 30°C) and away from any flame or concentrated heat source.

Certifications:
- Kosher: UK
- Halal: UK

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