

3-Methyl-1-Butanol

Colorless liquid, miscible with almost all common organic solvents.

**Chemical nature**

3-Methyl-1-butanol, 3-Methylbutanol-1, Isoamyl alcohol

- Molecular formula: \(C_6H_{12}O\)
- Molar mass: 88.15 g/mol
- CAS-No.: 123-51-3
- EC-No.: 204-633-5

**Delivery specification**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass fraction of - 3-Methyl-1-Butanol</td>
<td>98.5 min. %</td>
<td></td>
<td>DIN 55686</td>
</tr>
</tbody>
</table>

**Properties**

3-Methyl-1-Butanol is an intermediate for the chemical industry, for example for the manufacture of essences and herbicides as well as a paint solvent.
Physical data

The following physical data were measured in the BASF SE laboratories. They do not represent any legally-binding guarantee of properties for our sales product.

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling range</td>
<td></td>
<td>130 – 132°C</td>
<td>DIN 51751</td>
</tr>
<tr>
<td>Density</td>
<td>at 20°C</td>
<td>0.809 g/cm³</td>
<td>DIN 51757</td>
</tr>
<tr>
<td>Solidification point</td>
<td></td>
<td>Below -70°C</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td></td>
<td>45°C</td>
<td>DIN 51755</td>
</tr>
</tbody>
</table>

Applications

3-Methyl-1-Butanol is an intermediate for the chemical industry, for example for the manufacture of corrosion inhibitors, flotation aids, fuel and lubricating oil additives, polyvinyl chloride stabilizers, pharmaceuticals, cosmetics, essences, plasticizers, rubber auxiliaries and paint solvents.

Storage & Handling

3-Methyl-1-Butanol should be stored under nitrogen. The storage temperature must not exceed 40°C and moisture are excluded. Under these conditions, a storage stability of 12 months can be expected.

Safety

When using this product, the information and advice given in our Safety Data Sheet should be observed. Due attention should also be given to the precautions necessary for handling chemicals.

Note

The data contained in this Technical Information is based on our current knowledge and experience as well as our investigations according to the today's state-of-the-art. In view of the many factors that may affect processing and application of the Product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the Product for specific purpose. No liability of BASF can be derived therefrom. It is the responsibility of the recipient of the Product to ensure that any proprietary rights and existing laws and legislation are observed.

May 2016