DATA SHEET Nr 7001 D

TETRABUTYL UREA

TBU

Molecular formula: \( \text{C}_{17}\text{H}_{36}\text{N}_{2}\text{O} \)
Molecular weight: 284
CAS number: 4559-86-8
EC number: 224-929-8

SYNONYM
-

APPEARANCE
Clear liquid

PHYSICAL PROPERTIES
Density: 0.876 g/cm³
Boiling point: 187°C/27 mbar
Solubility:
Soluble in common organic solvents (toluene, acetone, chloroform). Not soluble in water.

USES
- Solvent with high boiling point.
- Synthesis intermediate for fine chemicals.
TETRABUTYL UREA

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Guaranteed value</th>
<th>Method</th>
<th>Operating procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
<td>Visual</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>≤ 20 APHA</td>
<td>Colorimetry</td>
<td>C-210</td>
</tr>
<tr>
<td>Purity</td>
<td>≥ 99,0 %</td>
<td>Gas chromatography</td>
<td>GC-624</td>
</tr>
<tr>
<td>Chloride</td>
<td>≤ 10 ppm</td>
<td>Argentometry</td>
<td>AR-720</td>
</tr>
<tr>
<td>Dibutylamine</td>
<td>≤ 0,1 %</td>
<td>Gas chromatography</td>
<td>GC-624</td>
</tr>
<tr>
<td>Water</td>
<td>≤ 0,05 %</td>
<td>Karl Fischer</td>
<td>KF-111</td>
</tr>
</tbody>
</table>

PACKAGING

PE drums containing 180kg.

In bulk.

HANDLING PRECAUTIONS

See MSDS.

- Physico-chemical hazard:
  Flash point (closed tag cup): 140°C

- Health hazard:
  LD 50 (rat, oral): >7500 mg/kg.
  Not dangerous.

- Destruction
  Incineration.

STORAGE

Stored in its closed original drum in a covered dry, cool and well-ventilated warehouse, the product is stable.

However, in case of prolonged storage it is recommended to check again the product before use, by measuring typical parameters.

TRANSPORT

See MSDS.

Nr. 7001 D, August, 2016.