# n-Butyl Bromide

**Brominated Performance Products**

## Identity:
- n-Butyl Bromide
- Butyl Bromide

## Synonyms:
- 1-Bromobutane
- 1-Butyl bromide

## Abbreviated Name:
- nBB

## Chemical Family:
- Alkyl bromide

## Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>101°C (214°F)</td>
</tr>
<tr>
<td>Density</td>
<td>1.27 g/ml</td>
</tr>
<tr>
<td>Melting Point</td>
<td>-112°C (-170°F)</td>
</tr>
<tr>
<td>Vapor Density, Air=1</td>
<td>4.7</td>
</tr>
<tr>
<td>Vapor Pressure, 20°C</td>
<td>34 mm Hg</td>
</tr>
<tr>
<td>16°C</td>
<td>0.06 g/100 g</td>
</tr>
<tr>
<td>Solubility in Water (16°C)</td>
<td>0.06 g/100 g</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>C₄H₉Br</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>137.03</td>
</tr>
<tr>
<td>UN Shipping No</td>
<td>UN1126</td>
</tr>
</tbody>
</table>

## General Sales Specifications

- **Appearance**: Clear
- **Color, APHA**: 50 max.
- **Assay, %**: 99 min.
- **Acidity (As HCl), %**: 0.003 max.
- **Water, %**: 0.04 max.

## Application
- Chemical synthesis, alkylating agent.

## Packaging and Storage

- **Packaging**: Net wt. 250 kg/270 kg, gross wt. – Non-returnable phenolic lined steel drums
- **Bulk**

- **Container Shelf Life**: Due to the excellent solvent characteristics of low molecular weight alkyl bromides, the product should not remain in the storage for longer than one year after shipment. Longer storage may result in failure of the drum lining.

## Health and Safety Information

### Emergency Response
- 1-800-949-5167
- Chemtrec
- 1-800-424-9300

## Additional Handling Information

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