## Product number

<table>
<thead>
<tr>
<th>Product number</th>
<th>Packaging</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1009961000</td>
<td>Glass bottle</td>
<td>1 l</td>
<td>price on request</td>
</tr>
<tr>
<td>1009962500</td>
<td>Glass bottle</td>
<td>2.5 l</td>
<td>price on request</td>
</tr>
<tr>
<td>1009966025</td>
<td>Drum stainl. st.</td>
<td>25 l</td>
<td>price on request</td>
</tr>
<tr>
<td>1009969190</td>
<td>Steel barrel</td>
<td>190 l</td>
<td>price on request</td>
</tr>
</tbody>
</table>

Prices are subject to change without notice.

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**Accessories**

- **901756** Dip tube for 25 l stainless steel drum for withdrawal systems with 2” thread adapter
- **963533** Safety carrier for Merck 2.5 L glass bottles
- **101114** Withdrawal system for solvents with manual pressure build-up for 10 l and 25 l stainless steel drums with 2” connection
- **112647** Antistatic device for earthing metal containers when dispensing and filling with flammable solvents

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**Synonyms**

n-Propyl alcohol

**Hill Formula**

\[ C_3H_8O \]

**Chemical formula**

\[ CH_3CH_2CH_2OH \]

**HS Code**

2905 12 00

**EC number**

200-746-9

**Molar mass**

60.1 g/mol

**EC index number**

603-003-00-0

**CAS number**

71-23-8

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**Chemical and physical data**

- **Ignition temperature**
  
  360 °C

- **Solubility**
  
  (20 °C) miscible in all proportions

- **Saturation concentration (air)**

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**For general questions please contact our Customer Service:**

Merck KGaA
Frankfurter Str. 250
64293 Darmstadt
Germany
Phone: +49 6151 72-0
Fax: +49 6151 72 2000

04 March 2011
Melting point -127 °C
Molar mass 60.1 g/mol
Density 0.80 g/cm³ (20 °C)
 pH value 7 (200 g/l, H₂O, 20 °C)
 Boiling point 96.5 - 98 °C (1013 hPa)
 Vapor pressure 19 hPa (20 °C)
 Explosion limit 2.1 - 19.2 % (V)
 Flash point 22 °C
 Evaporation number 17

Safety information according to GHS

Hazard Statement(s)
H225: Highly flammable liquid and vapour.
H318: Causes serious eye damage.
H336: May cause drowsiness or dizziness.

Precautionary Statement(s)
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233: Keep container tightly closed.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313: Get medical advice/attention.

Signal Word Danger

RTECS UH8225000
Storage class 3 Flammable Liquids
WGK WGK 1 slightly water endangering

Disposal
Relatively unreactive organic reagents should be collected in container A. If halogenated, they should be collected in container B. For solid residues use container C.

Safety information

R Phrase R 11-41-67
Highly flammable. Risk of serious damage to eyes. Vapours may cause drowsiness and dizziness.

S Phrase S 7-16-24-26-39
Keep container tightly closed. Keep away from sources of ignition - No smoking. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection.

Categories of danger highly flammable, irritant

Hazard Symbol

Flammable

Irritant
### Transport information

| Declaration (railroad and road) | UN 1274 n-Propanol, 3, II |
| Declaration (transport by sea) | UN 1274 PROPNOL, 3, II |
| Declaration (transport by air) | UN 1274 N-PROPANOL, 3, II |

### Toxicological data

| LD 50 oral | LD50 rat 1870 mg/kg |
| LD 50 dermal | LD50 rat 5040 mg/kg |

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity (GC)</td>
<td>≥ 99.0 %</td>
</tr>
<tr>
<td>Identity (IR)</td>
<td>conforms</td>
</tr>
<tr>
<td>Free acid (as propionic acid)</td>
<td>≤ 0.002 %</td>
</tr>
<tr>
<td>Density (d 20 °C/ 4 °C)</td>
<td>0.803 - 0.804</td>
</tr>
<tr>
<td>Methanol (GC)</td>
<td>≤ 0.1 %</td>
</tr>
<tr>
<td>Readily carbonizable substances</td>
<td>conforms</td>
</tr>
<tr>
<td>Water</td>
<td>≤ 0.2 %</td>
</tr>
</tbody>
</table>