

Pentanol

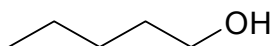
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Technical Data Sheet

October 2005

BASF
The Chemical Company

FormulaC₅H₁₂O
Molecular Weight88.2
PRD Number..... 30036709
CAS Registry Number.....71-41-0



| Product Specifications | Value | Test Method |
|------------------------|-------|-------------|
| Assay, % Minimum | 98.5 | GC |
| Water, % Maximum | 0.1 | DIN 51777 |

Physical Properties

| | |
|----------------------------------|---------|
| Melting Temperature, °C | <-70 |
| Boiling Temperature, °C | 137-139 |
| Density @20°C, g/cm ³ | 0.815 |
| Flash Point, °C | 49 |
| Ignition Temperature, °C | 300 |

Description

Pentanol is a colorless liquid with an offensive odor.

Synonyms

Pentan-1-ol
1-Pentanol
n-Amyl alcohol

Safety

Pentanol is flammable. It is harmful by inhalation and irritating to eyes and respiratory system. Also risk of serious damage to eyes.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Applications

Intermediate used in the production of:

- Corrosion inhibitors
- Flotation aids
- Pharmaceuticals
- Lubricating oil additives
- Herbicides
- Cosmetics
- Antioxidants
- Extractants
- Essences and paint solvents
- Stabilizers

Packaging

Available In bulk and drums.

Storage & Handling

Pentanol must be protected from fire, electrostatic charges. Ensure thorough ventilation of work and storage area.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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