

Pentanol Mixture

(Primary Amyl Alcohol)

Technical Data Sheet

February 2007b

Helping Make
Products Better™

BASF
The Chemical Company

Formula C₅H₁₂O
Molecular Weight 88.2
PRD Number 30036714
CAS Registry Numbers 71-41-0
137-32-6

Product Specifications	Value	Test Method
n-Pentanol, wt. %, min.	62	GC
Total C5 alcohols, wt. %, min.	99.0	GC
Acidity as acetic acid, wt. %, max.	0.01	ASTM D-1613
Water, wt. %, max.	0.2	ASTM E-203
Color, Pt-Co Units, max.	10	ASTM D-5386

Description

Pentanol Mixture is a colorless liquid. It is partially miscible with water and completely soluble with common organic solvents.

Applications

Intermediate and solvent for:

- Coatings
- Pharmaceuticals
- Lube oil additives.

Packaging

Available in bulk.

Safety and Handling

Pentanol Mixture is flammable. Avoid inhalation of vapor and contact with the skin, eyes, and clothing.

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

Contact 1-800-533-8966

BASF Corporation
Petrochemicals
100 Campus Drive
Florham Park, NJ 07932
Tel: 800-533-8966
Fax: 973-245-6794

Typical and Physical Properties

n-Pentanol, wt. %	62 - 68
2-Methylbutanol, wt. %	32 - 38
Melting point, °C	<-70
Boiling range, °C	128-137
Density @20 °C, g/cm ³	0.815
Flash point, °C	45
Ignition temperature, °C	320
Solubility in water @20 °C, g/L	25
Viscosity, 20 °C, mPa s	4.3
Vapor pressure, 20 °C, mbar	3.5

IMPORTANT: While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. Further, you expressly understand and agree that the descriptions, design, data and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.
© 2007 BASF Corporation