

Isobutanol-Pentanol Blend

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BASF
The Chemical Company

Technical Data Sheet

February 2007a

PRD Number 30273208
CAS Registry Numbers 78-83-1
71-41-0
137-32-6

Product Specifications	Value	Test Method
Isobutanol, wt. %	59 - 63	GC
Total C5 alcohols, wt. %,	37 - 41	GC
Acidity as acetic acid, wt. %, max.	0.1	ASTM D-1613
Water, wt. %, max.	0.2	ASTM E-203
Color, Pt-Co Units, max.	15	ASTM D-5386

Description

The product is a blend of isobutanol and the BASF Pentanol Mixture (Primary Amyl Alcohol). It is a colorless liquid with a mild alcohol-like odor that is partially miscible with water and completely soluble with common organic solvents.

Applications

Intermediate and solvent for:

- Lube oil additives
- Hydraulic fluids
- Greases

Packaging

Available in bulk.

Safety and Handling

The Isobutanol-Pentanol Blend 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.

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Typical and Physical Properties	
n-Pentanol, wt. %	24 - 29
Melting point, °C	<-70
Boiling range, °C	110-134
Density @20 °C, g/cm ³	0.8074
Flash point, °C	37
Viscosity, 20 °C, mPa s	4.1
Vapor pressure, 20 °C, mbar	17.2

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