

Pentyl Acetate

Helping Make
Products Better™

 **BASF**
The Chemical Company

Technical Data Sheet

February 2007b

Formula $C_7H_{14}O_2$
Molecular Weight 130.2
PRD Number 30034749
CAS Registry Numbers 628-63-7
624-41-9

Product Specifications	Value	Test Method
n-Pentyl acetate, wt. %, min.	60	GC
Pentyl acetate isomers, wt. %, min.	98.0	GC
Acidity as acetic acid, wt. %, max.	0.01	ASTM D1613
Water, wt. %, max.	0.2	ASTM E-203
Color, Pt-Co Units, max.	15	ASTM D5386

Description

Pentyl acetate is a colorless, medium-volatility liquid with a mild odor typical of esters. It is miscible with most common organic solvents but practically insoluble in water.

It is used as a solvent or intermediate in the production of resins, coatings, paints, cleaners, and pharmaceuticals.

Packaging

Available in bulk.

Physical Properties

n-Pentyl acetate, wt. %	60 - 73
2-Methybutyl acetate, wt. %	27 - 39
Melting point, °C	-74
Boiling range, °C	146-149
Density @20 °C, g/cm ³	0.875 – 0.877
Flash point, °C	40
Ignition temperature, °C	345
Refractive index, n ²⁰ D	1.403
Viscosity, 20 °C, mPa s	0.92
Vapor pressure, 20 °C, mbar	4.2
Specific heat, Cp, kJ/(kg K), 20 °C	2.025

Safety and Handling

Pentyl acetate is flammable. Avoid inhalation and contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Always refer to the Material Safety Data Sheet (MSDS) for detailed information.

Pentyl acetate has a shelf life of 12 months in unopened, original containers. It must be protected from heat, fire, and sources of ignition. Also prevent electrostatic charge. Ensure adequate ventilation of work and storage areas. Refer to the MSDS for detailed information on handling and disposal.

Contact 1-800-533-8966

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

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