



Product Name	Primary Amyl Alcohol
Synonyms	Pentanol Mixture; Pentyl Alcohol Mixed; Amyl Alcohol; Reaction mass of 2-methylbutan-1-ol and pentan-1-ol.
Chemical Formula	$(C_4H_9)CH_2OH$ (mixed isomers)
Product Description	Primary amyl alcohol is a colorless liquid with a mild and characteristic odor. Miscible with common organic solvents.
Features	<ul style="list-style-type: none"> <li>• Good solvency</li> <li>• Lower volatility</li> <li>• Available hydroxyl functionality on alkyl chain</li> <li>• Slightly soluble in water</li> <li>• Miscible with common organic solvents</li> <li>• Non-HAP (Hazardous Air Pollutant) Solvent</li> </ul>
Applications	<ul style="list-style-type: none"> <li>• Intermediate</li> <li>• Coating solvent</li> <li>• Amyl xanthate for mining</li> <li>• Lube oil additive</li> <li>• Extraction solvent</li> </ul>

#### Typical Physical Properties

Property	Value
Molecular Weight (g/mol)	88.15
Boiling Point @ 760 mmHg, 1.01 ar	134.3 °C (273.7 °F)
Flash Point (Setaflash Closed Cup)	46 °C (115°F)
Freezing Point	-138 °C (-216°F)
Vapor pressure@ 20°C — extrapolated	2.2 mmHg 4.14 hPa
Specific gravity (20/20°C)	0.8155
Liquid Density @ 20°C	0.8155 g/cm <sup>3</sup>
Vapor Density (air = 1)	No test data available
Viscosity (cP or mPa·s @ 20°C)	4.39
Surface tension (dynes/cm or mN/m @ 20°C)	23.7
Specific heat (J/g°C @ 25°C)	No test data available
Heat of vaporization (J/g) at normal boiling point	No test data available
Net heat of combustion (kJ/g) — predicted @ 25°C	No test data available
Autoignition temperature	300 °C (572°F)
Evaporation rate (n-butyl acetate = 1.0)	0.25
Solubility, g/L or % @ 20°C Solvent in water	22.6 g/L

Hansen solubility parameters	
(J/cm <sup>3</sup> ) <sup>1/2</sup>	
_Total	10.6
_Non-Polar	7.8
_Polar	2.2
_Hydrogen bonding	6.8
Partition Coefficient, n-octanol/water (log Pow)	1.29 - 151
Flammable limits (vol.% in air)	
Lower	1.2
Upper	10.0

#### Typical Physical Properties:

This data provided for those properties are typical values, and should not be construed as sales specifications.

## Classification/Registry Numbers/Country Inventory@.

CAS#	137-32-6; 71-41-0
AICS (Australia)	137-32-6; 71-41-0
DSL (Canada)	137-32-6; 71-41-0
IECSC (China)	137-32-6; 71-41-0
ECI (Korea)	137-32-6; 71-41-0
EINECS (EU) – Isomers	205-289-9; 200-752-1
All isomers	305-536-1 (cas#94624-12-1)
MITI (Japan)	137-32-6; 71-41-0
NZIoC (New Zealand)	137-32-6; 71-41-0
PICCS (Philippines)	137-32-6; 71-41-0
TSCA (U.S.)	137-32-6; 71-41-0

@NOTE: Classifications apply only to this Oxygenated Solvents product. It is the responsibility of the formulator to ensure that the final finished product complies with the regulations of a given country prior to its sale or distribution in that country.

## How Supplied

REGION	PACKAGING	TRANSPORT MODE
Europe/Africa	Bulk/Drum	Tank Truck
Latin America	Bulk	Tank Truck
North America	Bulk/Drum	Tank Truck/Tank Car
Pacific	Bulk/Drum	Tank Truck

## Product Stewardship

#### For More Information

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##### Europe:

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##### Latin America:

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