

Chemical Nature	Molecular formula:	C ₄ H ₁₀ O ₂
	CAS Number:	110-63-4
	EINECS No.:	203-786-5

Product Specifications	Specifications	Value	Unit	Test method
	Assay	Min 99.5	%	Gas Chromatography
	Water	Max 0.05	Wt %	ASTM E1064
	Color, APHA	Max 10	-	ASTM D1209

Physical Properties	Properties	Value	Unit
	Solidification Point	20	°C
	Boiling Point	230	°C
	Density @ 20 °C	1.017	g/ml
	Flash Point	115	°C
	Ignition Temperature	385	°C

Description 1,4-Butanediol is a colorless and almost odorless liquid. This hygroscopic diol is soluble in water, alcohols, esters, ketones, glycol ethers and glycol ether acetates; immiscible in aliphatic and aromatic hydrocarbons and diethylether.

Safety 1,4-Butanediol is not a skin irritant, but may be irritating to mucous membranes or the respiratory tract.

Vapors may irritate the eyes. It may lead to iritic, conjunctivitis or diffuse corneal opacity may result. Proper respiratory and protective eyewear is highly recommended.

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

Applications

Intermediate used in the production of:

- Polyether diols (Poly THF®)
- Polyether diols (adipate, polycaprolactone)
- Urethane polymers
 - TPU's
 - Cast elastomer (noncellular)
 - Microcellular elastomer (foam)
- Polyester polymers
 - PBT
 - Copolyester elastomers
- Plasticizer (e.g, in paper and cellulose)
- Carrier solvent in printing inks
- Cleaning agent

Packaging

Available in 200 kg non-returnable steel drums, 20,000 kg isotank and bulk by sea freight at minimum 300 mt.

Storage & Handling

1,4-Butanediol has shelf life of 24 months in an unopened, original containers stored in a dry cool place. It is neither explosive nor spontaneously flammable in air. However, it is combustible.

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

Note

The information in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processor from carrying out own investigations and tests neither do these data imply any guarantee for certain properties nor the suitability of the product for a specific purposes. The processors are to ensure that any proprietary rights and existing laws and legislation are observed.

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