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1,4-Butanediol

POLYURETHANE CURATIVE

TECHNICAL DATASHEET

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 diethyl ether.

1,4-Butanediol is the ethynylation product of acetylene and formaldehyde; a bi- functional, primary alcohol.

Product Specification

Formula	$C_4H_{10}O_2$
Molecular Weight	90.1
Product Number	598061
CAS Registry Number	110-63-4
Assay, % minimum	99.5
Water, wt. % maximum	0.05
Colour, APHA maximum	10

Physical Properties

Properties presented below are to be used as a guide and not intended for specification purposes.

		1,4-Butanediol
Solidification Point	(°C)	20
Boiling Point	(°C)	230
Density at 20°C	(g/ml)	1.017
Flash Point, Cleveland open cup	(°C)	155
Ignition Temperature	(°C)	370

Storage, Handling, and Safety

1,4-Butanediol has an almost unlimited shelf life in unopened, original containers if protected from heat. It is neither explosive nor spontaneously flammable in air. However, it is combustible. Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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

Vapours may irritate the eyes. If severe, iritis, conjunctivitis or diffuse corneal opacity may result. Proper respiratory and protective eyewear is recommended. Always refer to the Material Safety Data sheet for detailed information on safety.

Refer to the product MSDS for hazards identification and personal protection requirements.