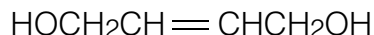


# 2-Butene-1,4-diol

## Technical Data Sheet

January 1997

Formula:.....  $C_4H_8O_2$   
Molecular Weight:..... 88.1  
Product Number: ..... 005721  
CAS Registry Number:.... 110-64-5



Product Specifications	Value	Test Method
Assay, area-% minimum	98.5	G.C. 9214
1,4-Butanediol, area-% maximum	1.0	G.C. 9214
2-Butyne-1, 4-diol, area-% maximum	0.1	G.C. 9214
Water, wt.-% maximum	0.3	DIN 51 777 (KF)
Color, APHA	NE*	DIN ISO 6271

\* Not established

### Physical Properties

Melting point, °C (approx.)	10
Boiling range @ 3.0 kPa, 5-95%, °C	142 – 145
Density @ 20°C, g/cm <sup>3</sup> (approx.)	1.07
Flash point, °C	127

### Description

2-Butene-1,4-diol is a colorless or pale yellow liquid, miscible with almost all organic solvents and water.

### Safety

Do not eat or drink while handling 2-Butene-1,4-diol. Avoid contact with skin. Harmful if swallowed.

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

### Applications

Intermediate used in the production of:

- pharmaceuticals
- plant-protection agents
- pesticides (particularly industrial fungicides)

### Packaging

Available in bulk isocontainers and 441 lb (net weight) steel drums with Lupolen<sup>®</sup> polyethylene liner.

### Storage & Handling

2-Butene-1,4-diol has a shelf life of approximately two years when stored in original, unopened containers in a properly protected storage area. Protect product from air, light and heat.

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

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Customer Service:

EAST 1-800-426-8696  
WEST 1-800-543-1740

BASF Corporation  
Chemicals Division  
3000 Continental Drive - North  
Mount Olive, New Jersey 07828-1234  
World Wide Web: <http://www.basf.com>