TECHNICAL DATA SHEET

SYNOXOL™ BEPD

2-Butyl-2-Ethyl-1,3-Propanediol
White crystalline solid
Diol containing primary hydroxyl groups
The product is FDA approved

CAS number: 115-84-4
EC (EINECS) number: 204-111-7
HS number: 2905 39

For further information regarding this product please refer to:

Coatings Synthomer

eMail: coatings@synthomer.com

Property	Typical Value	Unit	Method[1]
Purity	min 99.0	Area %	GC-FID
Acidity (as acetic acid)	max. 0.01	WT %	ASTM D1613
Colour (liquid)	max. 20	Hazen	ASTM D1209
Water content (coulometric)	max.0.1	WT %	ASTM E1064
Hydroxyl number	min. 693	mg KOH/g	
Melting point (final)	41 / 106	°C / °F	
Boiling point	264 / 507	°C / °F	
Density (50 °C)	929	Kg/m³	
Autoignition temperature	306	°C	

[1] internal method based upon the specified norm

Application Advice

- Saturated polyesters for coil, can and powder coatings
- Unsaturated polyesters for gelcoats and composites
- Polyurethanes applications for coatings, adhesives, textiles and accessories
    - As part of Polyesters Polyols
    - Or in the form of a Chain Extender

Shipping and Storage

Synthomer recommends storing BEPD in sealed drums at ambient temperature (max 35°C), in a dry area protected from direct sunlight and the elements.BEPD must be melted prior to use; this melting should be done at a temperature between 60 and 80°C. All drums should be used in their entirety or agitated before use. When stored as recommended, Synthomer advise that the product is stable for a minimum of 24 months from the batch production date. Synthomer cannot be held responsible for the user storing the material correctly and Synthomer does not warrant shelf life nor assume any responsibility for such information.

Consult Product Safety Data Sheet for more handling precautions.

Delivery forms

- Steel drums 190 Kg, 760 Kg/pallet

Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.

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