

## Technical Information

No. 4001

Article 4-Hydroxybutyl vinyl ether  
(Abbr. HBVE )

CAS 1-Butanol, 4-(ethenyloxy)-

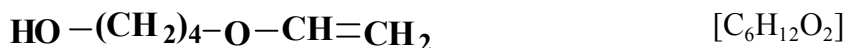
REG. No. [17832-28-9]

TSCA : Inventory

EINECS No.: 241-793-5

ENCS No. (2)-3248

## 1. Formula



## 2. Properties

Mol. Wt.	116.16	Density	$d^{20}$	0.9467	Appear.	Slight-yellow Liq.
Melt. Pt.	°C	Boil. Pt.		187 °C	Vap. Press.	0.4 kPa/60°C
Sp. Heat	0.018 J/K·mol	Ref. Ind.	$n^{20}$	1.4454	Flash Pt.	79.5 °C
Vap. Heat	J/mol	Solubility				(Tag Closed Cup)
		Viscosity		5.2	mPa·s (25°C)	

## 3. Average Analysis

Assay	97.0 %min.	Packing	Steel Drum 160 kg
BDVE(1,4-Butandioldivinylether)	2.0 %max.		
1,4-Butanediol	0.1 %max.		

## 4. Precautions

Avoid contact with skin/eyes as well as swallowing/inhalation

LD<sub>50</sub>[Oral-Rat] g/kg

## 5. Reactivities Stable in half year without water and acid

Lewis acid → Polymerization Halogen → Halide

Acid → Hydrolysis Alkali → Stable

Alcohol/Acid → Acetal Diels-Alder condensation

React with RCH(OR')<sub>2</sub>, RCOOH, HCN, COCl<sub>2</sub>, CCl<sub>4</sub>, HC(OR)<sub>3</sub>, NH<sub>3</sub>, etc.

## 6. Applications

Comonomer with Olefins (e. g. F<sub>2</sub>C=CF<sub>2</sub>), Siloxanediols, Diisocyanates, etc.

Modifiers for Adhesives, Coatings, Finishes, Lube-oil-additives, etc.

Providing Compatibility, Hydrophilicity, Plasticity, etc. and improving Processing, Dyeability, Toughness, Softness, Clarity, Brilliance, etc.

Sales and Marketing Group, Functional Chemical Products

Sales and Marketing Department, Electronic and Functional Products Divison

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