

Technical Information

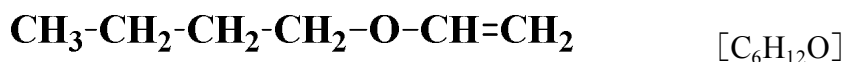
No. 4019

Article n-Butyl vinyl ether
(Abbr. NBVE)

CAS Butane, 1-(ethenyloxy)-

REG. No.	[111-34-2]
TSCA :	Inventory
EINECS No.:	203-860-7
ENCS No.	(2)-372

1. Formula



2. Properties

Mol. Wt.	100.16	Density	d ²⁰	0.7803	Appear.	Colorless Liq.
Melt. Pt.	-122.7 °C	Boil. Pt.		94.3 °C	Vap. Press.	6.7 kPa/23°C
Sp. Heat	0.0231 J/K·mol	Ref. Ind.	n ²⁰	1.3997	Flash Pt.	-1.5 °C (T. C. C.)
Vap. Heat	3.22 J/mol	Solubility			Autoignition	188 °C
		Viscosity		0.5	mPa·s (20°C)	

3. Average Analysis

Assay 98.0 %min.

Packing

Steel Drum 160 kg

4. Precautions

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

LD₅₀[Oral-Rat] 10.3 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')₂, RCOOH, HCN, COCl₂, CCl₄, HC(OR)₃, NH₃, etc.

6. Applications

Monomer as intermediate for Medicament, Plasticizer, Anticorrosive, etc.

Homopolymer for Adhesives, Paint, Varnish, Lubricator, Grease, Elastmer, etc.

Comonomer (with Olefins (e. g. F₂C=CF₂), Siloxanediols, Diisocyanates, etc.) or as

Reactive diluent 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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