

## Technical Information

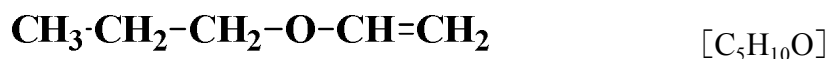
No. 4006

Article n-Propyl vinyl ether  
(Abbr. NPVE )

CAS Propane, 1-(ethenyloxy)-

REG. No.	[764-47-6]
TSCA :	Inventory
EINECS No.:	212-123-9
ENCS No.:	(2)-372

## 1. Formula



## 2. Properties

Mol. Wt.	86.13	Density	$d^{20}$ 0.7688	Appear.	Colorless Liq.
Melt. Pt.	°C	Boil. Pt.	65.5 °C	Vap. Press.	6.8 kPa/25°C
Sp. Heat	J/K·mol	Ref. Ind.	$n^{20}$ 1.3908	Flash Pt.	-18.3 °C (T. C. C.)
Vap. Heat	J/mol	Solubility		Autoignition	187 °C
		Viscosity	0.7		mPa·s (25°C)

## 3. Average Analysis

Assay	98.0 %min.	Packing	Steel Drum	160 kg
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## 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

Monomer as intermediate for Medicament, Plasticizer, Anticorrosive, etc.  
Homopolymer for Adhesives, Paint, Varnish, Lubricator, Grease, Elastmer, etc.  
Comonomer (with Olefins (e. g. F<sub>2</sub>C=CF<sub>2</sub>), 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.

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