

Technical Information

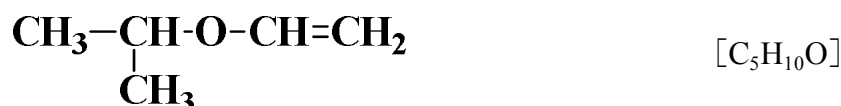
No. 4003

Article Isopropyl vinyl ether
(Abbr. IPVE)

CAS Propane, 2-(ethenyloxy)-

REG. No.	[926-65-8]
TSCA :	Inventory
EINECS No.:	213-142-5
ENCS No.	(2)-372

1. Formula



2. Properties

Mol. Wt.	86.13	Density	d^{20} 0.7534	Appear.	Colorless Liq.
Melt. Pt.	-140 °C	Boil. Pt.	55.5 °C	Vap. Press.	10.3 kPa/25°C
Sp. Heat	J/K·mol	Ref. Ind.	n^{20} 1.3920	Flash Pt.	<-20 °C (T. C. C.)
Vap. Heat	3.67 J/mol	Solubility		Autoignition	256 °C
		Viscosity	1.0	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
LD₅₀[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')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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