

Technical Information

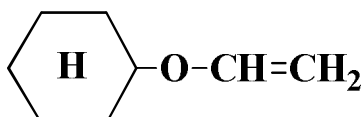
No. 4002

Article Cyclohexyl vinyl ether
(Abbr. CHVE)

CAS Cyclohexane, ethenyloxy-

REG. No.	[2182-55-0]
TSCA :	Inventory
EINECS No.:	218-561-7
ENCS No.	(3)-3687

1. Formula

[C₈H₁₄O]

2. Properties

Mol. Wt.	126.20	Density	d ²⁰	0.888	Appear.	Colorless Liq.
Melt. Pt.	-109 °C	Boil. Pt.		147 °C	Vap. Press.	3.3 kPa/60°C
Sp. Heat	0.013 J/K·mol	Ref. Ind.	n ²⁰	1.4546	Flash Pt.	34.0 °C
Vap. Heat	J/mol	Solubility				(Tag Closed Cup)
		Viscosity		1.3	mPa·s (25°C)	

3. Average Analysis

Assay	99.0 %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

Comonomer with Olefins (e. g. F₂C=CF₂), 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.

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