

Technical Information

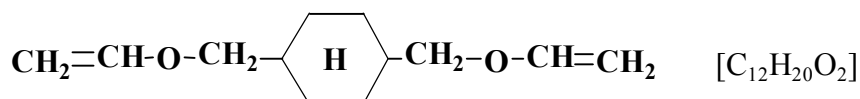
No. 4010

Article Cyclohexanedimethanol divinyl ether
(Abbr. CHDVE)

CAS Cyclohexane, 1,4-bis[(ethenyloxy)methyl]-

REG. No.	[17351-75-6]
TSCA :	Inventory
ELINCS No.:	413-370-7
ENCS No.	

1. Formula



2. Properties

Mol. Wt.	196.29	Density	d^{20}	0.940	Appear.	Colorless Liq.
Melt. Pt.	°C	Boil. Pt.		104 °C (0.4 kPa)		
Sp. Heat	J/K·mol	Ref. Ind.	n^{20}		Flash Pt.	120 °C(Cleaveland Open Cup)
Vap. Heat	J/mol	Solubility	H ₂ O:insoluble, MeOH, Me ₂ CO, n-C ₆ H ₁₄ :miscible.			
APHA	< 10	Viscosity		4.5	mPa·s (25°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] g/kg

5. Reactivities

Stable in 3 months 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.

Sales and Marketing Group, Functional Chemical Products
Sales and Marketing Department, Electronic and Functional Products Divison
NIPPON CARBIDE INDUSTRIES CO., INC.
TAIYO-LIFE SHINAGAWA BUILDING. 16-2, 2CHOME,
KOUNAN MINATO-KU, TOKYO 108-8466
TEL +81-3-5462-8201 FAX +81-3-5462-8270