

Technical Information

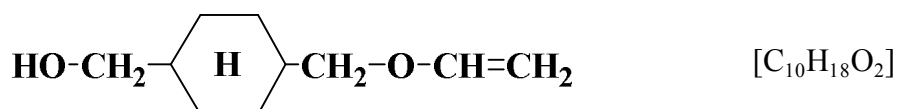
No. 4009

Article Cyclohexanedimethanol monovinyl ether
(Abbr. CHMVE)

CAS Cyclohexanemethanol, 1,4-[(ethenyloxy)methyl]-

| | |
|-------------|---------------|
| REG. No. | [114651-37-5] |
| TSCA : | Inventory |
| ELINCS No.: | |
| ENCS No. | (3)-4459 |

1. Formula



2. Properties

| | | | | | | |
|-----------|---------|------------|----------|-------------------|-----------|-----------------------|
| Mol. Wt. | 170.25 | Density | d^{20} | 0.978 | Appear. | Colorless Liq. |
| Melt. Pt. | °C | Boil. Pt. | | 111 °C (0.3 kPa) | | |
| Sp. Heat | J/K·mol | Ref. Ind. | n^{20} | | Flash Pt. | 131 °C |
| Vap. Heat | J/mol | Solubility | | | | (Cleaveland Open Cup) |
| | | Viscosity | | 73.0 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 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.

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