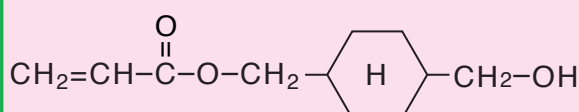


1,4-Cyclohexanedimethanol Monoacrylate (CHDMMA)

CHDMMA, with a unique hydroxyl group, gives excellent scratch resistance, adhesion, and acid rain resistance.



CHDMMA

CASNo. : 23117-36-4

T S C A : 23117-36-4

E N C S : (3)-4442

Features

- CHDMMA has a hydroxyl functional group and a double bond group in the molecule.
- Various vinyl monomers can be copolymerized with CHDMMA.
- The co-polymerized polymer with CHDMMA achieves a higher crosslinking ratio with curing agents. Because, the OH group of CHDMMA is further away from copolymer backbone chain.
- CHDMMA improves adhesive strength remarkably.

Applications

- Paint & coating material (excellent scratch resistance, adhesion, and acid rain resistance.)
- Water borne coatings
- Powder coatings
- UV/EB curable composition
- Adhesives
- Urethane acrylate
- Photo resist

Packing

- 200Kg Drum
- 15Kg Can

Properties

- | | |
|--|--|
| Appearance | Clear colorless liquid |
| Formula | C ₁₁ H ₁₈ O ₃ |
| Mol.Weight | 198.26 |
| Specific Gravity(20/4 C) | 1.055 |
| P.I.I. | 0.7 |
| Boiling Point | 140 C/2mmHg |
| Freezing Point | -60 C or less |
| Solubility in water
in Organic Soluents | 0.1 wt%(20 C)
Miscible |
| Viscosity(30 C) | 88mPa·s |
| Tg(homo-polymer) | 18 C |
| Purity | 95% |