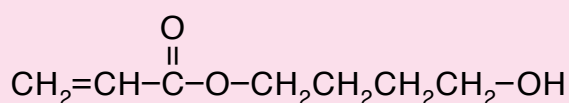


Environmentally-Friendly products for the coating industry

4-HYDROXYBUTYL ACRYLATE (4HBA)

4HBA, with a primary hydroxyl group at the end of a longer alkyl chain, gives excellent scratch resistance due to its high crosslinking ratio and unique flexibility



4 H B A

CASNo. : 2478-10-6
 T S C A : 2478-10-6
 EINECS : 219-606-3
 E N C S : 2-958

Feature

- 4HBA is the Acrylic ester which has a hydroxyl functional group and a double bond group in the molecule.
- Various vinyl monomers can be copolymerized with 4HBA.
- Polymers co-polymerized with 4HBA achieve a higher crosslinking ratio with curing agents.

Applications

- Paint and coating materials (excellent scratch resistance, mechanical properties, and acid rain resistance)
- Waterborne coatings.
- Powder coatings.
- UV/EB curable composition.
- Adhesives.
- Pressure sensitive adhesives.

Properties

- | | |
|---|---|
| Appearance | Clear colorless liquid |
| Formula | C ₇ H ₁₂ O ₃ |
| Mol.weight | 144.2 |
| Specific Gravity(20/4°C) | 1.041 |
| Freezing Point | -112°C |
| Boiling Point | ca.230°C |
| Flash Point | 110°C |
| Ignition Point | 380°C |
| Vapor Pressure (80°C)
(100°C) | 1.0mmHg
3.5mmHg |
| Specific Heat | 0.51cal/g°C |
| Viscosity (25°C) | 10.2cps mPa.s |
| Tg (homo-polymer) | - 40°C |
| Solubility in Water,
in Organic Solvents | Completely Soluble
Miscible |
| Refractive Index | 1.4520 |

Packing

- 200Kg Drum
- 18Kg Can