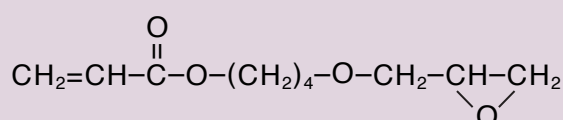


# 4-Hydroxybutyl Acrylate Glycidylether (4HBAGE)

4HBAGE, with a glycidylether group at the end of a longer alkyl chain, gives excellent scratch resistance due to its high crosslinking ratio and unique flexibility. (compared to GMA)



## 4HBAGE

CASNo. : 119692-59-0

T S C A : 119692-59-0

E N C S : (5)-6751

## Features

- 4HBAGE has a glycidylether functional group and a double bond group in the molecule.
- Various vinyl monomers can be copolymerized with 4HBAGE.
- The co-polymerized polymer with 4HBAGE achieves a higher crosslinking ratio with curing agents.
- This is because the glycidylether is further away from copolymer backbone chain.
- This copolymer has good acid rain resistance.

## Applications

- Paint & coating material .(Excellent scratch resistance, excellent mechanical properties and excellent chemical properties.)
- Powder coatings.
- UV / EB curable composition.
- Epoxy Acrylate.

## Packing

- 18 Kg Can
- 200Kg Dran

## Properties

- |  |  |
|--|--|
| Appearance                                 | Clear colorless liquid                         |
| Formula                                    | C <sub>10</sub> H <sub>16</sub> O <sub>4</sub> |
| Mol.weight                                 | 200.23   |
| Boiling Point                              | 120 C/3mmHg                                    |
| Freezing Point                             | -100 C or less                                 |
| Viscosity                                  | 7.0mPa·s (20 C)                                |
| Tg(homo-polymer)                           | -64 C  |
| Solubility in water<br>in Organic Soluents | 2g/100g (20 C) Miscible                        |