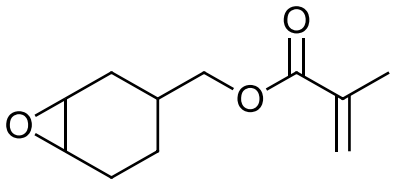
Achiewell

Offering reliable & sustainable solutions

TECHNICAL DATA SHEET

Product Name : ACH CER 15, ACH CER 15 UH
Chemical Name : 3,4-Epoxycyclohexylmethyl methacrylate
Molecular Weight : 196.24
CAS Number : 82428-30-6
Chemical Structure :



Specifications:

Item	ACH CER 15 TECHNICAL GRADE	ACH CER 15	ACH CER 15 UH
Appearance	Colorless to Light Yellow Liquid	Colorless to Light Yellow Liquid	Colorless Liquid
Color (APHA)	50 Max	50 Max	30 Max
Assay, %	90.0 Min	95.0 Min	97.0 Min
Viscosity, cP	30 Max	30 Max	30 Max
Epoxy EEW, g/g mol	195 – 215	195 – 215	195 – 215
Water, %	0.1 Max	0.1 Max	0.1 Max
Cl, ppb	NR	NR	100 Max
Na, ppb	NR	NR	50 Max
Fe, ppb	NR	NR	50 Max
K, ppb	NR	NR	50 Max
Mg, ppb	NR	NR	50 Max
Mn, ppb	NR	NR	50 Max
Cu, ppb	NR	NR	50 Max
Al, ppb	NR	NR	50 Max
Ni, ppb	NR	NR	50 Max

NR = Not Reported.

Physical Properties:

Item	Typical Value
Flash Point (closed cup), °C	110
Boiling Point @ 760 mmHg, °C	274.8
Density (20 °C), g/cm^3	1.079

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Applications:

Used in industrial and electronic applications in low temperature cured liquid & powder coatings. Also, used as a monomer in Cationic UV Powder Coatings. It is low in viscosity and delivers good heat resistance, weatherability, and electrical insulation

Mixing:

Please mix thoroughly to obtain best effect. Keep the mixer dry and acid-free prior to mixing.

Safety and Stock:

Keep in stock as ordinary chemicals. Avoid exposure to air, sunlight, and acid. Wear protective goggles and gloves while using the product. Avoid direct contact with skin and eyes. Use soap to clean if skin contaminated. Minimum storage temperature is -10 °C. Maximum storage temperature is 50 °C. Recommended storage temperature range is 2 °C to 10 °C.

Shelf-life: 2 years.

Packaging:

Available in drums, IBCs, and iso-tankers

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