

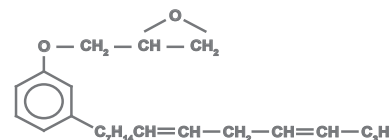
Cardolite® LITE 513E

Epoxy Reactive Diluent

Preliminary Technical Datasheet

DESCRIPTION

Cardolite LITE 513E is a low color, low viscosity, monofunctional epoxy reactive diluent designed for the electronics and electrical industries, coatings, adhesives, and other epoxy applications. The long hydrophobic aliphatic side chain of cardanol gives this product a very low viscosity and provides excellent water resistance, flexibility, and thermal shock resistance. High viscosity solvent or solvent free formulations can achieve enhanced workability and higher solids without sacrificing other performance properties using this product.



CHEMICAL STRUCTURE

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Appearance	Light yellow liquid	Visual
Color (Gardner)	≤ 6	ASTM D1544
Viscosity @ 25°C (cPs)	20 - 40	ASTM D2196
Epoxy Equivalent Weight (EEW) ¹	360 - 410	ASTM D2074
Total chlorine (ppm)	≤ 1,000	NTM 43
Volatile Loss (% by weight)	≤ 0.3	ASTM D2369-98
Density @ 25°C (kg/L) (lbs/gal)	0.95 - 0.98 7.92 - 8.17	ASTM D1475
Flash point	> 270°C / >518°F	ASTM D93
Recommended Use Level (phr, EEW 190)	2 - 20	-

Typical properties are not to be construed as specifications

¹Based on total product weight

REGULATORY STATUS

Please refer to the material safety data sheet (MSDS). Specific information regarding chemical inventory listing can be obtained from your local sales representative.

SAFETY PRECAUTIONS

Please refer to the material safety data sheet (MSDS). Copies of the MSDS can be requested on the Cardolite website or via your local sales representative.

STABILITY AND STORAGE

Cardolite products may absorb moisture and carbon dioxide when left in open containers, which could result in increased viscosity, discoloration, reduction of reactivity, and/or crystallization of the products. These products should be kept tightly sealed in their original containers when not in use, and stored in a cool, dry place.

CONTACT INFORMATION



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