EPOXY DILUENTS

PRODUCT NAME	EEW / WPE (g/eq)	VISCOSITY @ 25°C (cps)	APPLICATIONS / COMMENTS
XR-19	325 - 355	40 - 60	Difunctional aliphatic epoxy diluent based on polypropylene glycol. Because of its long chain, it improves flexibility and impact resistance.
XR-59	227 - 245	40 - 60	Mono-functional epoxy diluent based on p-tertiary butyl phenol. Useful in epoxy applications requiring good electrical properties, low viscosity, low volatility and low odor level. Imparts slight rigidity to cured resin.
XR-83	155 - 175	5 max.	Butyl glycidyl either (BGE). Monofunctional epoxy diluent used to lower the viscosity in high solids and solvent free coatings.
XR-86	147 - 161	15 - 25	Di-functional aliphatic epoxy diluent based on 1:6 hexane diol. Exhibits excellent wettability, hence ideal for composites and impregnation applications. Improved heat resistance and chemical resisitance compared to mono-functional diluents.
XR-87	130 - 145	12-18	Di-functional aliphatic epoxy diluent based on neopentyl glycol. Low volatility. Low reduction in physical properties and reactivity.
K-77	126 - 136	16 - 20	Di-functional aliphatic epoxy diluent based on 1:4 butanediol. Improved heat and chemical resistance compared to mono-functional diluents. Exhibits excellent wettability, hence ideal for composites and impregnation applications.
K-77 Distilled	108 - 119	16 - 20	Lower EEW and lower hydrolysable chlorine compared to the non-distilled version.
K-100	165 - 185	5 - 25	o-Cresyl glycidyl ether (CGE) diluent for coatings, tooling and electrical applications. Provides good chemical and water resistance.

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K-103	159 - 170	6 - 8	Phenyl glycidyl ether (PGE). Monofunctional epoxy diluent used in solvent free coatings, matrix resins for fiber-reinforced composites and casting resins.
RA-913	445 - 555	40 - 60	Reactive epoxy diluent based on cashew nut shell liquid (CNSL). Good diluent with very low volatility. Used for solvent-free and low VOC high solids coatings.
RA-948	150 - 165	100-200	Trimethylolpropane triglycidyl ether diluent used to reduce the viscosity while maintaining properties.
RA-987	230 - 250	15 max	Aliphatic mono-glycidyl ether based on C_8-C_{10} alcohol. Used for solvent-free maintenance, marine, flooring and civil engineering applications. Improved dilution efficiency compared to XR-80 but slightly more volatile.
RA-988	275 - 300	5 - 20	Aliphatic glycidyl ether containing primarily C_{12}-C_{14} alkyl groups. Monofunctional epoxy diluent used as a viscosity modifier for high solids and solvent-free coatings and civil engineering.
RA-9505	550 - 650	300-500	Glycidyl ether of castor oil. Provides flexibility, impact and thermal resistance. Used for electrical and casting applications.