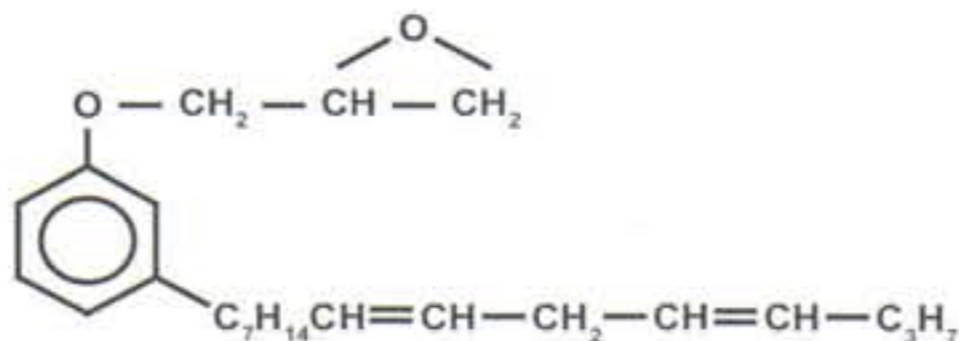


DESCRIPTION

Cardolite® NC-513 is a unique reactive epoxy flexibilizer and diluent. This low viscosity fluid has predominantly one reactive epoxy group per molecule which combines chemically into the epoxy system.

CHEMICAL STRUCTURE



TYPICAL PROPERTIES

	TYPICAL VALUE	SPECIFICATION
Viscosity @ 25°C (cPs)	50	40-70
Epoxy equivalent weight (EEW)	490	425-575
Flash point (closed cup)	>205°C/400°F	-
Density @ 25°C lbs/gal (kg/l)	8.17 (0.97)	8.09 (0.96) – 8.25(0.98)
Appearance	Reddish brown liquid	
Hydrolyzable chlorine (%)	-	<2%
Color (Gardner)	<11	5-11
Recommended PHR (liquid epoxy resin, EEW=190)	2-20	-
Volatile Loss (%)	-	0.5 max

APPLICATIONS

Cardolite® NC-513 is suitable for the following applications:

- Provides flexibility to solvent free and high solids surface tolerant marine and industrial coatings.
- Industrial flooring requiring excellent chemical, water, and abrasion resistance.
- Preparation of amine adducts
- Coatings in contact with potable water
- Formulation tool for developing high and 100% solids coatings, especially coatings that require flexibility and excellent water resistance

ADVANTAGES

- Excellent chemical and water resistance
- Increased thermal shock resistance
- Maintains electrical properties
- Low volatility
- Aids in Bis-Phenol F resin and Curing Agent compatibility
- Good reactivity
- Adds flexibility and lowers viscosity while maintaining performance
- Based from natural renewable raw material feedstock

APPROVALS AND REGULATORY STATUS

United States Department of Agriculture acceptance.
Listed with National Sanitation Foundation (NSF) for coatings used in potable water
Certified to not be classified as or manufactured with Class I or Class II ozone depleting chemicals
TSCA, EINECS, NICNAS AICS, MITI, PICCS

SAFETY PRECAUTIONS

Please refer to the material safety data sheet (MSDS).

STORAGE & STABILITY

Cardolite® NC-513 has storage stability of 24 months. All containers of this product should be kept tightly closed to avoid contamination and stored in a cool, dry place.

CONTACT INFORMATION



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DISCLAIMER

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