

## EPOXOL® RD181

EPOXOL® RD181 is a low viscosity, 100% solids non-hazardous reactive epoxy diluent produced from a bio-based, renewable resource. It is a clear, low-viscosity liquid with mild odor. This product is used to reduce viscosity of epoxy resins and enhance performance properties.

### Benefits

- Efficient viscosity reduction of conventional epoxy resins
- Not classified as hazardous
- High bio-based content
- Long chain aliphatic structure enhances film properties
- Compatible with commonly used solvents such as acetone, methyl-amyl ketone (MAK) methyl –ethyl ketone (MEK), methyl iso-butyl ketone (MIBK) and xylene.

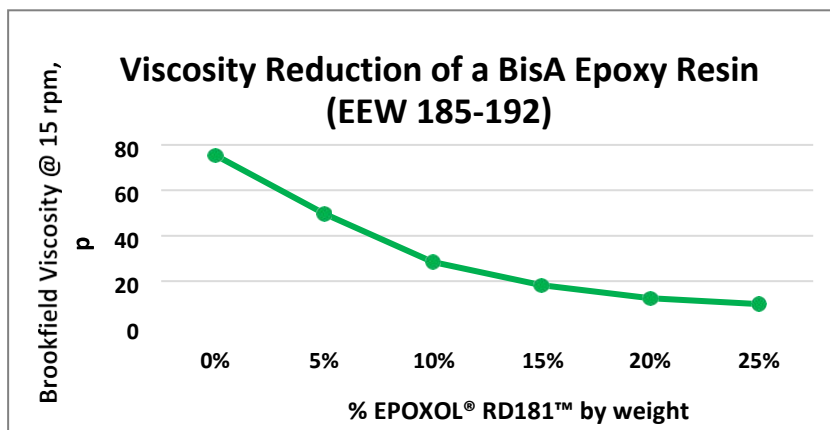
### Typical Properties

Property	Units	Value	Method
Weight per epoxide	g/eq	209-217	ASTM D1652
Viscosity at 25°C	cP	20	ASTM D2196-10
Color	Pt-Co	50 max	ASTM D1209
Density	lbs./gal	7.97	AOCS To 1b-64
% Moisture	%	<0.1	ASTM E1064
% Solids	%	>99.9	Calculated

### General

EPOXOL® RD181 provides efficient viscosity reduction in conventional bisphenol A, bisphenol F, and Novolac based epoxy resins. The exceptionally low hazard profile of EPOXOL® RD181 compared to the aliphatic monoglycidyl ethers commonly used for this purpose makes EPOXOL® RD181 a lower health risk to formulators, production personnel and applicators. EPOXOL® RD181 is suitable for use in products such as adhesives, floor coatings, marine and maintenance coatings.

### EPOXOL® RD181™ Viscosity Reduction of Liquid Bisphenol A Epoxy Resin



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### Packaging

EPOXOL® RD181 is available in bulk, totes, and drums.

### Storage and Handling

- Please consult the product SDS before using or storing this product. Store in the original unopened container. If the container is opened use entire contents as soon as possible. Reseal container tightly.
- Product should be stored at temperatures between 10°C/50°F and 50°C/122°F.
- If product becomes cloudy and/or crystallizes due to freezing or exposure to low temperatures, it is totally reversible without any loss of properties. Reconstitute the product before use in accordance with document “EPOXOL® RD181 Procedure to Reconstitute Crystallized Product” located on company website [www.acstech.com](http://www.acstech.com). Vent container while warming.
- Shelf life is a minimum of 36 months when stored as recommended in the original ~~unopened~~ container.

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### Inventory Information

<u>Registry</u>	<u>Status</u>	<u>Country</u>
TSCA	Listed	United States
IECSC	Listed	China
DSL	Listed	Canada
EINECS	Listed	Europe
ECL	Listed	Korea
NZloc	Listed	New Zealand



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