

# EPOXOL® CA118™ Plasticizer

## Description

A Bio-Based plasticizer with excellent solvency and plasticization properties. EPOXOL® CA118 is an environmentally friendly, Non-hazardous alternative to phthalate and benzoate plasticizers. Due to its long chain structure, it exhibits superior plasticization and is non-volatile. EPOXOL® CA118 is aliphatic and not prone to yellowing. It is very hydrophobic, providing excellent water-resistant properties. Compatible with a wide variety of systems, Epoxol® CA118 is an excellent, environmentally-friendly, non-hazardous plasticizer for use in flooring, caulks, sealants, adhesives, and coatings, and related applications.

## Physical Properties, Typical<sup>1</sup>

Property	Value	Method
Appearance / Color	Clear liquid / <50	Visual / Pt-Co ASTM D1209
Viscosity @ 25° C, cps	20	ASTM D2196-10
Moisture, %	<0.15	ASTM E1064
Active matter, %	>99.5	Calculated
Density@25°C, lbs./US gal	7.97 ± 0.05	ASTM D4052
Pour point, °C	6-9	ASTM D6749
Cloud point, °C	6	ASTM D5773
Flash point, °C	>190	ASTM D93
Boiling Point, °C (@ 0.4 torr)	147	ACS INTERNAL
Bio-based material content, %	95	D-6866-12/Method B
Refractive Index @ 25°C	1.453	ACS INTERNAL
VOC <sup>2</sup> , %	0	ASTM D6886-14

<sup>1</sup>These are typical properties and are not to be construed as sales specifications. Please contact ACS for additional information.

<sup>2</sup>VOC = Volatile Organic Compound. Based on independent lab testing of latex paint using ASTM D6886 used as recommended at up to 10 weight percent based on total paint formulation.

## Usage Recommendations

- EPOXOL® CA118™ is an excellent option to more hazardous plasticizers such as phthalates and benzoates.
- Suitable for most coatings, inks, adhesives, sealants, flooring, mastics, and related technologies.
- Customers should use a ladder trial to determine the optimum level and performance properties of EPOXOL® CA118 to be used in any formulations where a traditional plasticizer is replaced.

## Storage and Handling

- Please consult the product (M)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 and 50°C. Do not allow to freeze.
- Congealed product should be warmed completely to 20°C before use. Vent container while warming.
- Shelf life is a minimum of 36 months when stored as recommended in the original unopened container.

## EPOXOL® CA118™

### 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



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