

EPOXOL® CA118™

Description

Non-Fugitive coalescent / plasticizer with no VOC contribution to paint. Bio-Based and non-yellowing, EPOXOL® CA118 allows the formulation of architectural coatings with good block properties and scrub resistance. The high partitioning coefficient minimizes dirt pick up and aids in low humidity coalescence. Compatibility with ester alcohols and glycol ethers allows use of this product in architectural, industrial, maintenance and wood coatings. The high bio-derived content makes EPOXOL® CA118 an excellent choice for renewable formulations. The product may also be used in place of benzoate, phthalate and citrate ester plasticizers in coatings, sealants, adhesives, and caulk formulations.

Physical Properties, Typical¹

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	ADM INTERNAL
Bio-based material content, %	95	D-6866-12/Method B
Refractive Index @ 25°C	1.453	ADM INTERNAL
VOC ² , %	0	ASTM D6886-14

Usage Recommendations

- EPOXOL® CA118™ can be used as drop-in replacement of commonly used alcohol esters, glycol ethers, and low VOC coalescing agents on a lb-lb basis with equal or better coalescing performance.
- Reduction of usage levels may improve some desired properties such as scrub and block resistance.
- Customers should use a ladder trial to determine the optimum level of ACS CA118™ to be used in any formulations where a coalescent or 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.

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

²VOC = 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.

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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



ACS Technical Products * PO Box 190 * Griffith, IN 46319
Phone: +1 219-924-4370 * www.ACSTECH.com

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