

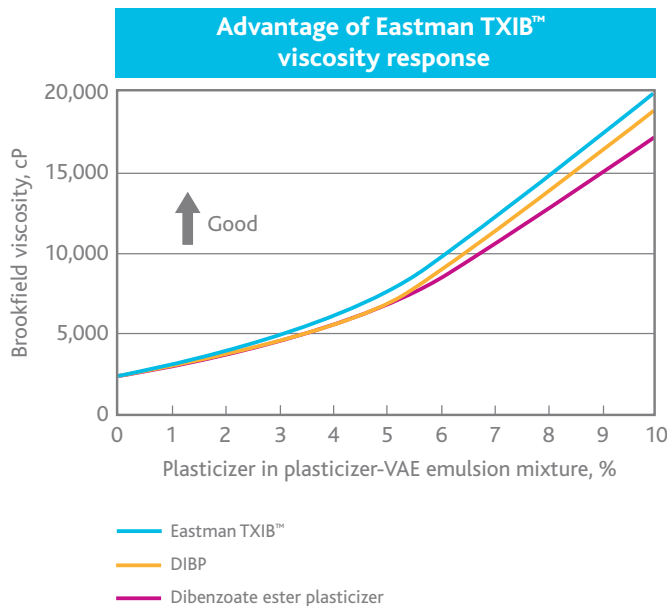
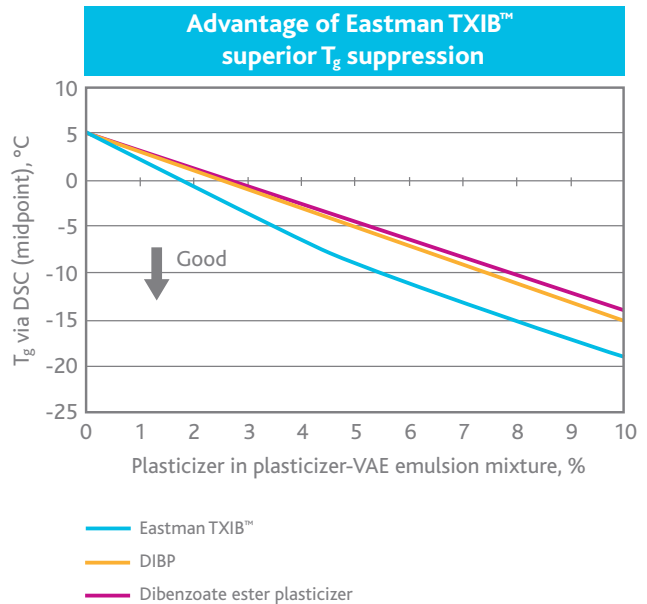
# Plasticizer for waterborne adhesives

## Advantages

- Comparable to slightly higher viscosity response
- Lower  $T_g$  for better low-temperature properties
- Reliability of supply with no labeling requirements
- Cost savings to PVAc and VAE adhesive formulators

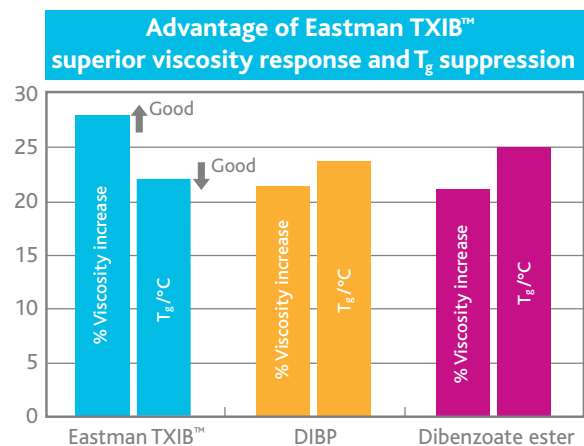
## In VAE copolymers ...

Eastman TXIB™ imparts higher viscosity response and better  $T_g$  suppression when compared with both DIBP and benzoate plasticizers. You may be able to use less TXIB in your current formulation. Or, you may use the same percentage of TXIB to achieve the targeted viscosity and still be able to bring the  $T_g$  to a lower level.



## In PVAc homopolymers formulations ...

Eastman TXIB™ can be used alone in formulations in which plasticizer loading is less than 5%. If higher plasticizer content is required, using TXIB in a 1:1 blend with Eastman™ Triacetin or a benzoate plasticizer is suggested.



Thickening efficiency and  $T_g$  reduction with 5% w/w plasticizer addition to 55% tsc PVAc emulsion

## FDA status

Eastman TXIB™ has received clearance by the FDA for use in certain food-contact applications and is intended for use in repeat-use vinyl-chloride polymers and as a coating or component of paper or paperboard in contact with dry food.<sup>1</sup>

<sup>1</sup>Eastman TXIB™ has received the following food contact notifications by the U.S. FDA:  
21 CFR 175.105 – Adhesives  
21 CFR 177.1200 – Used as a component of cellophane  
21 CFR 178.3740 – Plasticizers in polymeric substances  
For complete regulatory information, please visit [www.eastman.com](http://www.eastman.com).

## Typical properties

Empirical Formula	C <sub>16</sub> H <sub>30</sub> O <sub>4</sub>
Specific gravity @ 20°C	0.942–0.948
Surface tension @ 25°C	28 dynes/cm
Boiling point at 760 mm Hg	281°C (538°F)
Freezing point	–70°C (–94°F)
Viscosity, Brookfield @ 25°C with #1 spindle	9 cP

To find out more about the secure supply and efficiency of Eastman TXIB™ in increasing viscosity and lowering T<sub>g</sub>, call your Eastman representative today.

# EASTMAN

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