

TEXALENE® 2000 Series

Synthetic Anhydride

TEXALENE™ ASA is an alkenyl succinic anhydride, ASA, composed of straight-chain olefin reacted with maleic anhydride.

COMMERCIAL PRODUCT OFFERING:

TEXALENE™ 2580		TEXALENE™ 2560	
Octadecenyl Succinic Anhydride (internalized)		Hexadecenyl Succinic Anhydride (internalized)	
<u>Property</u>	<u>Specification</u>	<u>Property</u>	<u>Specification</u>
Appearance	Clear to straw-colored liquid	Appearance	Clear to straw-colored liquid
Viscosity	< 270 cPs	Viscosity	< 270 cPs
Specific Gravity	0.93 - 0.97	Specific Gravity	0.93 - 0.97
Residual Olefin	< 4%	Residual Olefin	< 4%
Gardner Color	< 12	Gardner Color	<12
Sulfur	< 5 ppm	Sulfur	< 5 ppm
TEXALENE™ 2280		TEXALENE™ 2260	
Octadecenyl Succinic Anhydride (beta-rich)		Hexadecenyl Succinic Anhydride (beta-rich)	
<u>Property</u>	<u>Specification</u>	<u>Property</u>	<u>Specification</u>
Appearance	Clear to straw-colored liquid	Appearance	Clear to straw-colored liquid
Viscosity	< 270 cPs	Viscosity	< 270 cPs
Specific Gravity	0.93 - 0.97	Specific Gravity	0.93 - 0.97
Residual Olefin	< 4%	Residual Olefin	< 4%
Gardner Color	< 12	Gardner Color	< 12
Sulfur	< 5 ppm	Sulfur	< 5 ppm
Note: Testing is performed at 40°C			

COMPOSITION:

The olefins used are hexadecene or octadecene with a distribution of the double bond position centered over the epsilon bond position or the beta bond position. These olefins are a derivative of linear alpha olefins produced from the oligomerization of ethylene. Products have a molecular weight range of 300 – 400.

APPLICATIONS:

The resulting ASA molecule can be used directly as a reactive hydrophobe. Other downstream uses include intermediate for detergents (fuels/oils) and dispersants (fuels/oils), corrosion inhibitor, lubricant, epoxy curing agent and leather tanning agent. Products have a low vapor pressure and sparingly low water solubility.

Bercen is also capable of converting the TEXALENE™ products above into a range of value-added products, from salts, to amides, to alcohols, etc.

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