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TECHNICAL DATA SHEET

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LAO C8 (1-OCTENE)

PRESENTATION:

Linear Alpha Olefins (LAO) are olefins (alkenes) with the formula C_xH_{2x} , unlike other linear olefins with the same formula the LAOs have their double bond position at the primary carbon or alpha position. LAO C8 is C_8C_{16} with the chemical name 1-Octene.

APPLICATIONS:

LAO C8 1-octene is used as a monomer in copolymers and is an intermediate in the production of epoxides, amines, oxo alcohols, synthetic lubricants, synthetic fatty acids, and alkylated aromatics

TYPICAL PROPERTIES:

PROPERTY	UNIT	TYPICAL	TEST METHOD
Appearance		Clear & Bright	Visual
Density at 15 °C	g/cm ³	0.72	ASTM D 4052*
Carbon number C8	% wt	99.9	GC*
Paraffin content	% wt	0.21	GC*
Color Saybolt		+ 30	ASTM D 156*
Water	mg/kg	13	ASTM D 1364*
Peroxide	mg/kg	< 1	ASTM D 3703*
Carbonyls	mg/kg	< 1	ASTM E 411

*or equivalent method

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