



C'ESTER PLPR

INCI: LACTIC ACID/RICINOLEIC ACID COPOLYMER

DESCRIPTION

Naturally derived aliphatic co-polyester derived from castor oil

CAS No.: US PATENT # 6540987

SOURCE: Ricinus Communis (Castor) Seed Oil Natural Origin Index (ISO 16128): 1



PERFORMANCE BENEFITS

Novel natural plant-derived polyester. Excellent film former with moisture barrier properties. Excellent water resistance. Exceptional thermal resistance, withstanding temperatures up to 500°/260°C without degradation. Imparts smoothing/anti-frizz properties and hold in hair care products. Good bio-compatibility, biodegradability and mechanical properties.



APPLICATIONS

Hair care and styling products, hot pours, sun care, color cosmetics, pigment dispersions, nail enamel, silicone replacement

Typical Use Levels: 0.5-5%

TYPICAL PROPERTIES

Product Form	Liquid
Acid Value (mg KOH/g)	50 max.
Hydroxyl Value (mg KOH/g)	50 max.
Saponification Value (mg KOH/g)	290-340

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