

Technical Data Sheet

Eastman GEM™ Retinyl Linoleate

Chemical Synonym

Retinyl Linoleate, Retinol Linoleate

Applications

- Personal care ingredients
- Skin care ingredients

Key Attributes

- High purity anti-aging active
- Liquid form without added solvents, oils or diluents
- No added ingredients and no preservatives
- Prepared using GEM™ technology, which significantly reduces energy, CO2 emissions, waste, and water usage

Product Description

Eastman GEM™ retinyl linoleate is a high quality anti-aging active with the added benefit of sustainable manufacturing, guided by the U.S. EPA's Twelve Principles of Green Chemistry. The material has a low E factor (kg waste/kg product) of 6.0.

Typical Properties

Property	Typical Value, Units
General	
Form	Liquid
Appearance	Clear yellow-orange oil
Color	Light gold
Gardner Color	< 12
Retinyl linoleate	> 80 %
Linoleic acid	< 2 %
Retinyl acetate	< 2 %
Retinol	< 2 %
Water	< 0.5 %
Bio-based Content	48 %
Vegetable oil as carrier	None
Odor	Low

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