

## CENTURY™ 1105 Isostearic Acid

### PRODUCT DATA SHEET

CENTURY 1105 Isostearic Acid is a unique mixture of branched and straight-chain saturated C18 fatty acids. The high content of branched acids makes CENTURY 1105 Isostearic Acid a liquid product, while the very low level of unsaturation results in excellent oxidative stability.

#### FEATURES

- Technical grade
- Derived from renewable vegetable source
- Oxidative stability
- Low color
- Low linear acids

#### APPLICATIONS

- Lubricants
- Metalworking
- Oilfield
- Surfactants

#### SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number, mg KOH/g	AQCM 001	180 Minimum	181
Color, Gardner	AQCM 002	3 Maximum	2
Moisture, %	AQCM 008	0.2 Maximum	0.05
Saponification Number, mg KOH/g	AQCM 019	180 Minimum	184
Iodine Number, cg I/g	AQCM 009	12 Maximum	8
Titer, °C	AQCM 200	10 Maximum	6
Color, % Transmission at 440/550	AQCM 122	30/85 Minimum	72/98

\*Kraton test methods are available upon request

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<b>SOLUBILITY</b>	CENTURY 1105 Isostearic Acid is soluble in alcohols, aromatics, esters and ketones and insoluble in water.
<b>COMPATIBILITY</b>	CENTURY 1105 Isostearic Acid is compatible with other liquid fatty acids and vegetable oils.
<b>PACKAGING</b>	CENTURY 1105 Isostearic Acid is delivered as a liquid in totes, tank trucks, tank cars (subject to availability), or 55-gallon (400 lb.), lined, steel drums.
<b>STORAGE RECOMMENDATION</b>	Drums – Should be stored dry and below 25°C / 77°F and away from direct sun light. Bulk – Acid resistant stainless steel tank above the titer point and under an inert gas atmosphere. If correctly stored then a CENTURY 1105 will have a shelf life of 12 months from date of production.

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