

CENTURY™ MO5 Monomer Acid

PRODUCT DATA SHEET

CENTURY MO5 Monomer Acid is a fatty acids product that contains both saturated and unsaturated C-18 fatty acids. Branched chain iso-oleic acids constitute the main portion, with a low level of polyunsaturated fatty acids.

FEATURES

- Low color
- Alternative to Oleic Acid
- High Oxidative Stability

APPLICATIONS

- Lubricants
- Metalworking
- Paste soaps and detergents
- Flotation reagents
- Textile lubricants

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number, mg KOH/g	AQCM 001	166 Minimum	174
Color, Gardner	AQCM 002	5 Maximum	3
Moisture, %	AQCM 085	1 Maximum	0.05
Viscosity, Cannon-Fenske 100°F	AQCM 111	150 - 200	174

*Kraton test methods are available upon request

TYPICAL VALUES

Property	Test Method*	Typical Value
Saponification Number, mg KOH/g	AQCM 019	183
Iodine Number, cg I/g	AQCM 009	80
Titer, °C	AQCM 081	30

*Kraton test methods are available upon request

KRATON

SOLUBILITY	CENTURY MO5 Monomer Acid is soluble in alcohols, aromatics, esters and ketones and insoluble in water.
COMPATIBILITY	CENTURY MO5 Monomer Acid is compatible with other liquid fatty acids and vegetable oils.
PACKAGING	CENTURY MO5 Monomer Acid is delivered as a liquid in totes, tank trucks, tank cars (subject to availability), or 400 lb. steel drums.
STORAGE RECOMMENDATION	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 MO5 will have a shelf life of 12 months from date of production.

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