

CENTURY™ D1 Monomer Acid

PRODUCT DATA SHEET

CENTURY D1 Monomer Acid is a special 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	170 - 185	174
Color, Gardner	AQCM 002	6 Maximum	3
Moisture, %	AQCM 085	0.3 Maximum	0.03

*Kraton test methods are available upon request

TYPICAL VALUES

Property	Test Method*	Typical Value
Saponification Number, mg KOH/g	AQCM 019	181
Iodine Number, cg I/g	AQCM 009	75
Titer, °C	AQCM 081	32
Unsaponifiabiles, %	AQCM 011	7

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Contact us:

Almere (NL): +31 (0)36 54 62 800
 Savannah (US): + 1 (912) 238-6439
 Shanghai (CN): + 86 21 6434 8898
www.kraton.com

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SOLUBILITY	CENTURY D1 Monomer Acid is soluble in alcohols, aromatics, esters and ketones and insoluble in water.
COMPATIBILITY	CENTURY D1 Monomer Acid is compatible with other liquid fatty acids and vegetable oils.
PACKAGING	CENTURY D1 Monomer Acid is delivered as a liquid in totes, tank trucks, tank cars (subject to availability), or 400 lb. steel drums.
STORAGE RECOMMENDATION	<p>Drums – Should be stored dry and below 25°C / 77°F and away from direct sun light.</p> <p>Bulk – Acid resistant stainless steel tank above the titer point and under an inert gas atmosphere.</p> <p>If correctly stored then a CENTURY D1 will have a shelf life of 12 months from date of production.</p>

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