

UNIDYME™ M15 Dimer Acid

PRODUCT DATA SHEET

UNIDYME M15 Dimer Acid is a fluid long chain (C-36) dimerized fatty acid with a medium monomer content.

FEATURES

- Long chain fluid
- 100% Bio-based reactant
- Relatively low color

APPLICATIONS

- Corrosion inhibitors
- Synthetic lubricants
- Curing agents
- Rheology modifiers

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number, mg KOH/g	AQCM 001	170 Minimum	190
Color, Gardner	AQCM 002C	10 Maximum	7
Monomer Acids by GC, %	AQCM 126	15 Maximum	8
Moisture, %	AQCM 008	0.2 Maximum	0.1

*Kraton test methods are available upon request

TYPICAL VALUES

Property	Test Method*	Typical Value
Dimer Acids by GC, %	AQCM 126	77
Polymer Acids by GC, %	AQCM 126	15

*Kraton test methods are available upon request

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SOLUBILITY	UNIDYME M15 Dimer Acid is soluble in alcohols, aromatics, esters and ketones and insoluble in water.
COMPATIBILITY	UNIDYME M15 Dimer Acid is compatible with other liquid fatty acids and vegetable oils.
PACKAGING	UNIDYME M15 Dimer Acid is delivered as a liquid in tank trucks, tank cars (subject to availability), or 410 lb. steel drums.
STORAGE RECOMMENDATION	UNIDYME M15 Dimer Acid has a shelf life of 1 year from the date of manufacture when stored properly, cool and dry in sealed containers. The product must be retested after longer storage to ensure the properties are within specification limits. Since color changes of >2 Gardner units can be seen over time due to oxygen or heat exposure, testing of product in applications sensitive to color is recommended prior to use.

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