

SynPlicity™ 1000

Bio-based Plasticizer

Key Characteristics

Product Description

SynPlicity™ 1000 is a bio-derived (94% bio-based content), highly efficient, non-phthalate plasticizer which provides an excellent balance of performance and durability for nail polish applications.

Technical Properties¹

Typical Properties

PROPERTY	TEST METHOD	NOMINAL VALUE	UNIT
Specific Gravity ²	ASTM D891	0.950-0.956	
Acid Number	AOCS Cd 3d-63	< 1.00	mg KOH/g
Appearance	ASTM D2090	Clear	
Color ³	ASTM D1209	< 100	
Molecular Weight – Theoretical, approximate		316	
Oxirane Content	AOCS Cd 9-57	> 6.4	wt%
Water Content	ASTM E1064	< 0.15	wt%

Notes

¹ Typical properties: these are not to be construed as specifications.

² 25/25°C

³ Pt-Co Scale

NOTE: The data listed herein reflect typical sheet properties. They are the latest available at the time of publication and are reliable to the best knowledge of PolyOne. The properties are listed solely to give general guidance and are not to be construed as a warranty or representation for of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own test to determine the safety and suitability of each such product or product combination for their own purposes. We sell the products without warranty. Buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

General Information

Generic Name	• Bio-based Plasticizer	
Material Status	• Commercial: Active	
Features	• High Solvating • Non-Phthalate Plasticizer • Film former	• Renewable Resource Content • Low Odor
Form	• Liquid	

Availability

SynPlicity™ 1000 is available in North America.

CONTACT INFORMATION

For additional information, please contact PolyOne Designed Structures and Solutions at (888)721-4242 or visit our web site at www.polyone.com.

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