

THE DOZN™ SCALE



Based on the 12 Principles of Green Chemistry*, DOZN helps researchers, scientists, and manufacturers increase performance and efficiency while reducing human and environmental impact.

*Paul T. Anastas and John C. Warner, 1991.

1,1,3,3-Tetramethylbutyl isocyanide (226491)

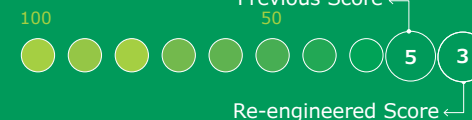
	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	N/A	
	Waste Prevention	<div><div></div></div> 12%	Reduced waste by decreasing solvent usage
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	N/A	
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
Human & Environmental Hazards Reduction	Energy Efficiency Design	<div><div></div></div> 57%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	N/A	
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	<div><div></div></div> 16%	Replaced hazardous solvents with begin solvents
	Design for Degradation	<div><div></div></div> 20%	Elimination of substance that degrades to environmentally hazardous materials
	Inherently Safer Chemical for Accident Prevention	N/A	

TOTAL PERCENT IMPROVEMENT

40%

AGGREGATE SCORE

0= Most Desirable



The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

© 2020 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. Merck, the vibrant M and DOZN are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources. 2020 - 32017