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.*

MilliporeSigma

tert-Butan-d_9-ol (614998)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	83%	Reduced quantity of raw materials
	Waste Prevention	No Change	
	Reduce Derivatives	NA	
	Renewable Feedstocks Use	83%	Reduced auxiliary chemicals and solvent
	Real-Time Pollution Prevention	NA	
	Catalyst	No Change	
	Energy Efficiency Design	95%	Reduced chemical processing
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	80%	Eliminated hazardous solvents
	Safer Chemical Design	NA	
	Safer Solvents and Auxiliaries	NA	
	Design for Degradation	NA	
	Inherently Safer Chemical for Accident Prevention	84%	Minimized reactivity risk

TOTAL PERCENT IMPROVEMENT 78%

AGGREGATE SCORE

0 = Most Desirable

Re-engineered Score 0

Previous Score 32

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