

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.



Benzoxazole (B11702)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	N/A	
	Waste Prevention	<div style="width: 97%;"></div> 97%	Reduced waste by eliminating 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 style="width: 98%;"></div> 98%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	<div style="width: 26%;"></div> 26%	Reduced flammability and toxicity hazards
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	<div style="width: 100%;"></div> 100%	Eliminated need for solvent usage
	Design for Degradation	<div style="width: 43%;"></div> 43%	Eliminated solvents that degrade into peroxides
	Inherently Safer Chemical for Accident Prevention	<div style="width: 39%;"></div> 39%	Reduced use of corrosive and toxic chemicals

TOTAL PERCENT IMPROVEMENT

88%

AGGREGATE SCORE

0= Most Desirable



← Previous Score

← Re-engineered Score

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