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.*

MERCK

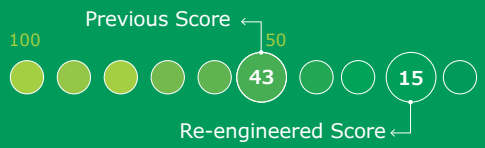
(+)-Menthone (63675)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	92%	Increased yield. Used less raw materials
	Waste Prevention	47%	Reduced amount of raw materials
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	47%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
	Energy Efficiency Design	92%	Reduced chemical processing
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	66%	Reduced hazardous reaction conditions
	Safer Chemical Design	43%	Used less hazardous raw materials
	Safer Solvents and Auxiliaries	92%	Reduced solvent usage
	Design for Degradation	13%	Reduced use of substance that degrades to environmentally hazardous materials.
	Inherently Safer Chemical for Accident Prevention	53%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT 65%

AGGREGATE SCORE

0= Most Desirable



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