

MERCK

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

Tetramethyltin (481394)

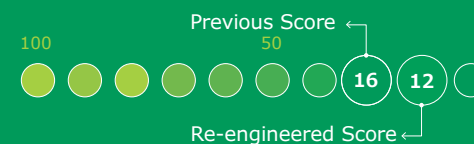
12 Principles of Green Chemistry		Percentage of Improvement		Results
Resource Used	 Atom Economy	N/A		
	 Waste Prevention	7%	Reduced amount of Raw material	
	 Reduce Derivatives	N/A		
	 Renewable Feedstocks Use	N/A		
	 Real-Time Pollution Prevention	N/A		
	 Catalyst	N/A		
Human & Environmental Hazards Reduction	 Energy Efficiency Design	N/A		
	 Less Hazardous Chemical Synthesis	N/A		
	 Safer Chemical Design	N/A		
	 Safer Solvents and Auxiliaries	33%	Reduced solvent usage	
	 Design for Degradation	1%	Reduced use of substance that degrades to environmentally hazardous materials.	
	 Inherently Safer Chemical for Accident Prevention	N/A		

TOTAL PERCENT IMPROVEMENT

25%

AGGREGATE SCORE

0= Most Desirable



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