



miessence® green chemistry principles

What is Green Chemistry?

Paul Anastas (ex EPA) developed the 12 principles of green chemistry:

- 1 Prevent waste
- 2 Design safer chemicals and products
- 3 Design less hazardous chemical syntheses
- 4 Use renewable feedstock
- 5 Use catalysts, not stoichiometric reagents
- 6 Avoid chemical derivatives
- 7 Maximize atom economy
- 8 Use safer solvents and reaction conditions
- 9 Increase energy efficiency
- 10 Design chemicals and products to degrade after use
- 11 Analyze in real time to prevent pollution
- 12 Minimize the potential for accidents

Green Chemistry in Action

Alkyl polyglycosides: Surfactants based on renewable, natural raw materials:

