

Catalytic Process Intensification of Bio-Renewable Surfactants Platform

SIRONIX
RENEWABLES



Goal:

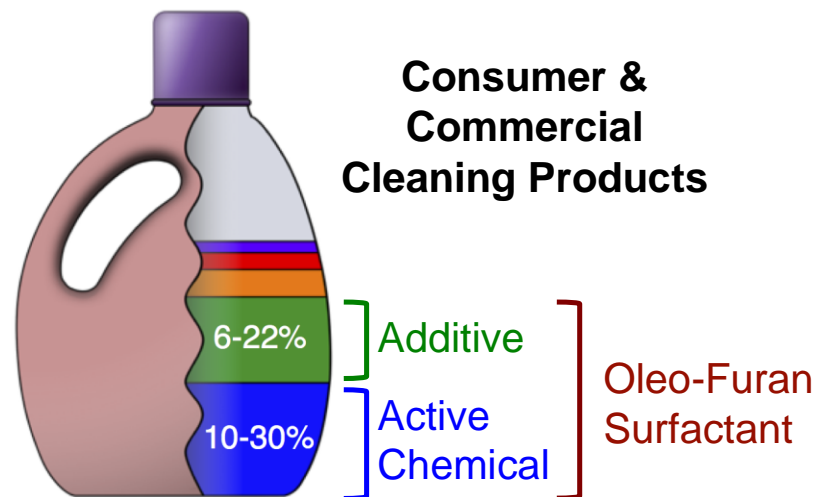
- Develop catalytic chemistries and scale-up approaches for commercialization of new bio-renewable oleo-furan surfactant (OFS) technology

Approach:

- Accelerated screening for catalytic improvements to core chemistries and collaborative testing for development of new surfactant structures.

Impact on the Bioenergy Industry:

- Improve economics and accelerate commercialization of OFS for eco-friendly and more effective detergents



ChemCatBio Capabilities Leveraged:

- Catalyst development and screening
- Computational modeling
- Reaction engineering & process intensification



ChemCatBio Directed Funding Assistance 2017



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