



Calyxia Technology

Catalyx™

Calyshield™

ActivOptix™

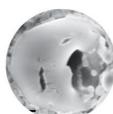
Unique technology platform for customizable microcapsules



Size-controlled
microcapsules
(1- 50 μm)



Non-porous or
porosity-controlled
(<1 nm pores)



100+ shell materials
(incl. biodegradable and
biobased)



7+ Delivery
mechanisms

We enable our customers to launch a new generation of sustainable advanced materials

ENCAPSULATE SPECIALTY CHEMICAL

Reactive Additives
(Catalysts, accelerators,...)

Functional Additives
(Anti-wear, anti-corrosion,...)

Optical Additives
(Dyes, liquid crystals,...)

PROTECT AGAINST ALL DEGRADATION & INSTABILITY

Resistant to extreme process conditions
Extrusion, injection or compression molding

Mechanically stable capsules
(Shear > 50,000 s⁻¹/Compression>50MPa)

Chemically resistant capsules
(Solvent and water resistance)

Thermally stable capsules
(Temperature over 300°C)

DELIVER OPTIMUM TIME & SITE MAXIMUM PERFORMANCE

Physically-triggered release
(Temperature, shear, compression)

Chemically-triggered release
(pH, solvent exposure, water exposure)

Non-triggered long lasting release



Disclaimer
All statements, information and data given herein are believed to be accurate and reliable, but are presented without guarantee, warranty or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that measures may not be required. ActivOptix™, Catalyx™ and Calyshield™ are trademarks of Calyxia. The trademarks is registered in certain jurisdictions, trademark registration status may vary by country.