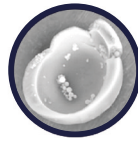


CALYXIA TECHNOLOGY

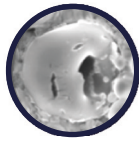
Unique technology platform application designed customisable microcapsules



Size-Controlled Microcapsules (1 – 20 µm)



Non-Porous Shell (<1 nm Pores)



> 1000 Different Shell Materials (incl. Biodegradable and Biobased)



7 Delivery Mechanisms

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



ENCAPSULATE
SPECIALTY CHEMICALS

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 moulding

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

Chemically resistant capsules
Solvent and water resistance

Thermal 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

