TESTE

Micro-capsules of hydrophobic agents

Keywords

- Micro-capsules
- Green chemistry
- Stability

Intellectual Property

Know-How

Development Status

Development at laboratory level:

Synthesis of micro-capsules

Incorporation of hydrophobic species

Control of the release

Partnership

Co-investment

SATT NORD & Industrial

For licensing purpose

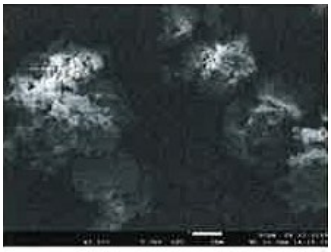
Technology

Innovation

Development of micro-capsules with an “eco-friendly” process

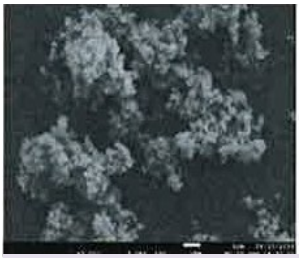
Results

The new process leads to ‘Core/Crown’ microcapsules made with silica membrane and versatile hydrophobic core



Microcapsules obtained by use of a Type-1 of particles

Microcapsules obtained by use of a Type-2 of particles



Microcapsules obtained by use of a Type-3 of particles

Benefits

- Time stability of the obtained micro-capsules
- High thermal stability of the obtained micro-capsules
- High mechanical strength
- Limited toxicity due to absence of any cross-linking agent and organic solvent

Applications

- ***All fields of formulation chemistry requiring micro-encapsulation of hydrophobic agents with high mechanical properties***
  - Textile
  - Cosmetics – Perfumes
  - Phytosanitary field
  - Paper industry

contact

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Reference TESTE ANG MARS 2023