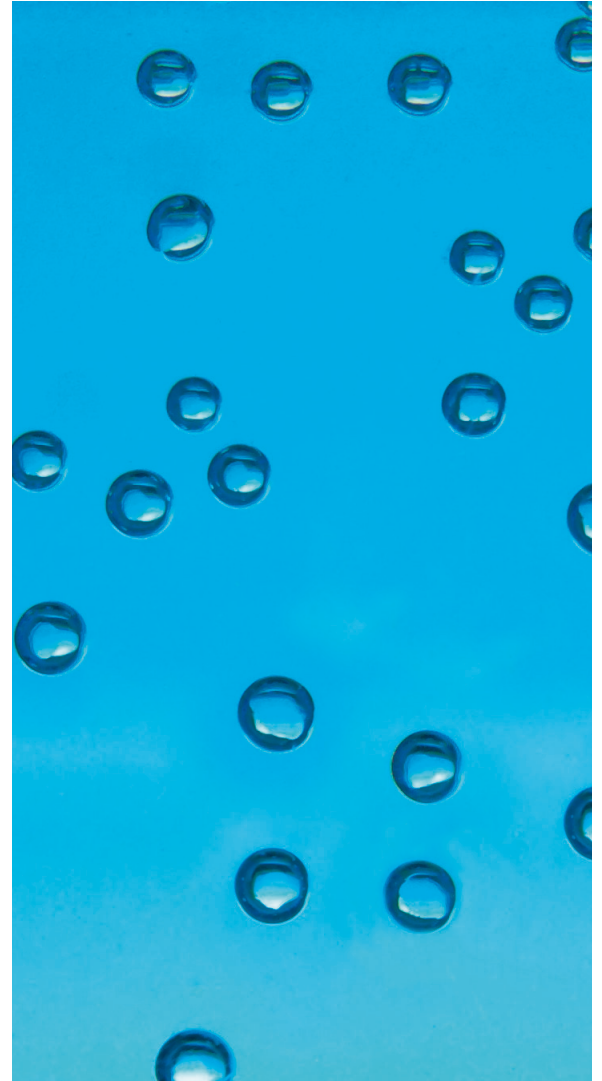
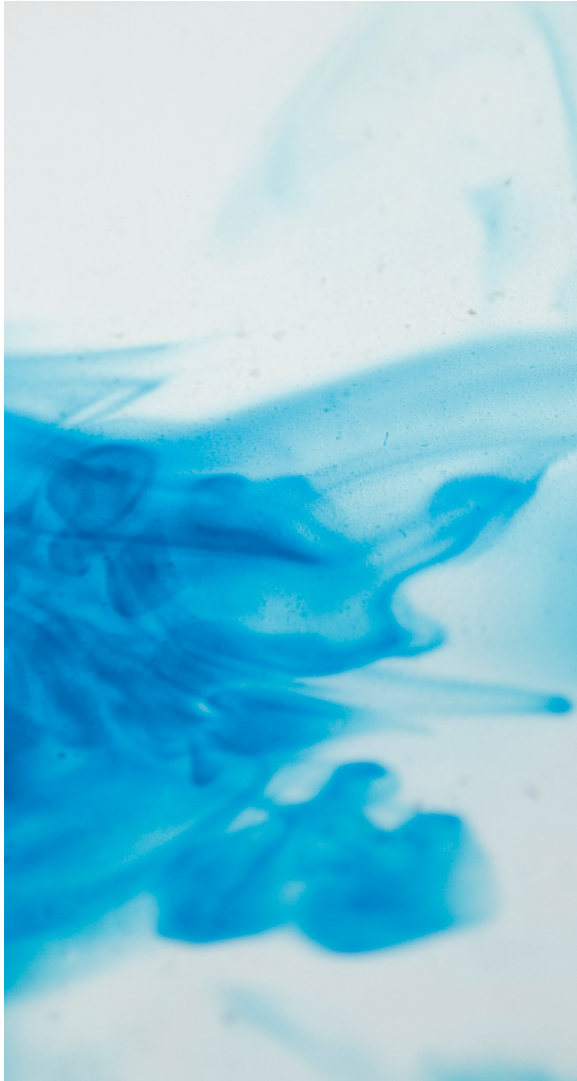




YKI, Institute for Surface Chemistry



We make it happen

## Why is my formulation precipitating?

With the help of northern Europe's most advanced equipment in surface and colloid chemistry, we can take a total solution approach to your problem. We specialize in measurement, analysis and problem solving.

## How do I remove or replace an ingredient and keep my product intact?

Surface and colloid chemistry is the key to developing new formulation concepts and methods. We help you to stay one step ahead in a world that requires constant adaptation to economic cycles, new customer needs and changing legal requirements.

## Need a partner? YKI takes you from concept to formulated product.

With application know-how in all major formulation industry sectors, YKI designs and develops formulated products to meet given specifications.



### Clean up your ingredient list

With YKI's powerful re-formulation toolbox, instrument park and network we help you wipe out troublesome ingredients from your recipe.

## This is how we make it happen

### Nanoparticles

Synthesis and formulation of nano- and mesoporous particles of designed surface chemistry.

### Controlled delivery and release

Innovative high performance vehicles for controlled release with a focus on triggerable and responsive delivery systems.

### Lipid technology

Fundamental understanding of phase behavior and structural characterization for lipid technologies within food, pharmaceuticals and biotechnology.

### Powder technology

Spray-drying, freeze-drying and spray-freeze drying for engineered powder properties.

### Cleaning technology

Mechanistic research on cleaning processes and development of environmentally friendly technologies using alternative ingredient-base compositions and conditions.

### Emulsions and surfactants

Strong expertise of liquid formulation combined with engineering approaches to the formation of soft colloids, for example emulsions, lipid dispersions, gels, non-aqueous and micellar systems.

### **YKI – Your Research and Innovation Partner in Applied Surface Chemistry**

YKI is a world-leading industrial research institute with a focus on innovation transfer in applied surface chemistry. YKI develops and transfers competence, solutions and new technologies to industrial sectors where surface chemistry is of importance. YKI works with a variety of industries including personal care, pharmaceutical, food, packaging and clean-tech. YKI is part of Sweden's leading research institute SP Technical Research Institute of Sweden.



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