

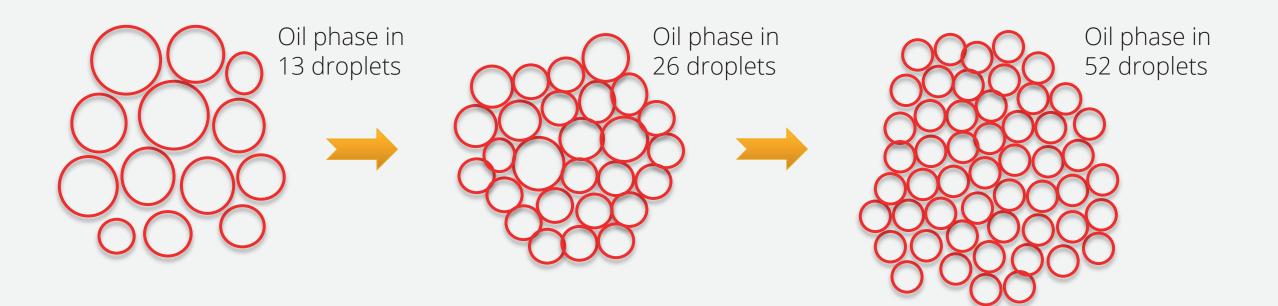
Oil phase and droplet size of an emulsion...

RAHN

Oil phase and droplet size of an O/W emulsion

Facts on how to influence emulsion structure:

1. The smaller the droplets are, the more space they require. Thus, the droplet size strongly can influence the consistency and stability of an emulsion.





こうないない あいない ちょう

Facts on how to influence emulsion structure:

2

an is . . x.

1 × 1

1. 3

is quinter

the strat

212 ----

and a station

The set is a star

2. The bigger the oil phase and the smaller the droplet size, the more creamy the texture and as whiter the colour.

230

the State of the state of the state



to a state at a state of the

Facts on how to influence emulsion structure:

3. The bigger the internal phase is, the tighter the oil droplets are organised in an o/w emulsion. This can lead to an increase of the viscosity if a steric interaction starts.

430

to the a state officer

an no.

is quinter

the server

ment - w

The state

* 1

* 1

The state

and the station

The set is a star

to a state at a state of the

How to create enough space for the internal phase?

Option 1: Exact control of droplet size during production

Option 2: Reduction of oil phase size (internal phase)

Option 3: Reduction of hydrocolloids (external phase)

Option 4: Change HLB value or emulsifier ratio to avoid a lamellar structure formation

and a station

The second second

an no.

IS Quint

.8 * 1

The state

the server

mint and

230

to the a state officer