TECHNICAL TUESDAYS

TOPIC: Mechanism of defoaming

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What is a defoamer?

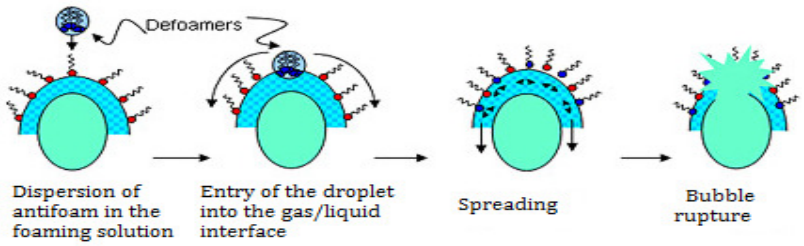
The term "defoamer" describes a product that is added to destroy existing foam.

Mechanism of defoaming:

The surface-active nature of the defoamer causes it to spread very rapidly onto any air-water interface that it encounters. This is especially the case if that interface is already covered by surface-active materials that stabilize foam.

Steps involved in defoaming:

1. Dispersion of antifoam in the foaming solution
2. Entry of the droplet into the gas/liquid interface
3. Spreading
4. Bubble rupture



Stages where defomers are used in textile processing:

During textile wet-processing, foam is encountered at various stages, such as during desizing, bleaching, scouring, and dyeing, to avoid the difficulties during processing.

Types of defoamers/anti-foamers used during textile processing:

1. Non-silicone based defoamers
2. Silicone oil-based defoamers

Wishing you a great week ahead!

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