

Low Migration for the packaging industry with the **AQUENCE LM Range**

The legal framework in Europe for all materials with food contact

European Regulation (EC) No 1935/2004 governs all materials with food contact.

Article 3 states that materials that come into contact with food shall not:

- » Endanger human health
- » Bring about an unacceptable change in the composition of food
- » Bring about a deterioration in the characteristics (smell, look, taste and colour) of food

For practical implementation this broadly expressed legal framework only gives vague indication.

Since there are no specific EU directives for adhesives, approaches are based on good manufacturing practice (GMP) and other guidelines and regulations.

- Following European legislation it is irrelevant, whether a packaging layer has direct food contact or not
- The actual mass transfer into the food is the only decisive criterion



Product Offering – Line of Argumentation AQUENCE Low Migration Series



Plasticizers

- » Entirely free = 0.0%
- » No phtalates, benzoates or even Triacetin!



Preservatives

- » Minimized use
- » But as much as needed to keep shelf life



Defoamers

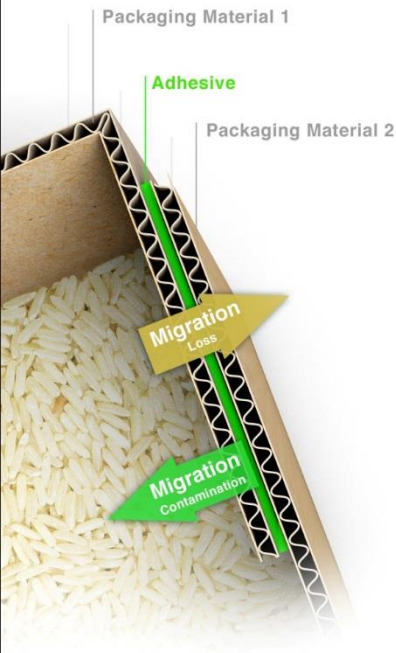
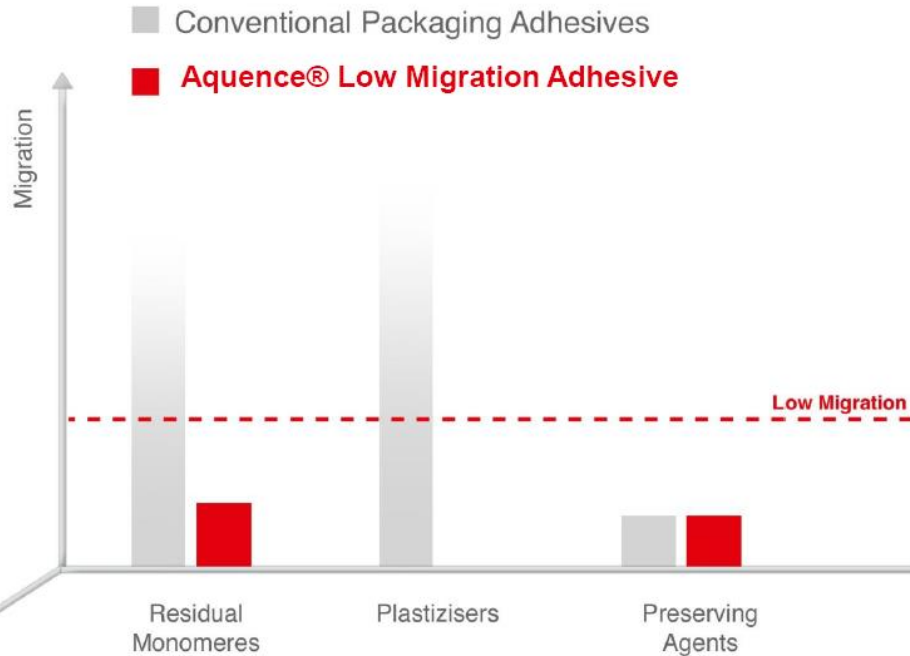
- » No defoamers based on mineral oil
- » Minimized use



AQUENCE®

Solution: AQUENCE LM Range

- » We go beyond complying with limit values
- » Reduction of critical ingredients
- » Eliminating migratable substances to their minimum



» What is Migration?

Material transfer between packaging and food

Migration describes the transport of a substance from the packaging into the food and vice versa

- Contamination of food with harmful substances poses a particular problem
- Moreover, changes of taste, consistency and appearance must be avoided
- Adhesives in food packages are a potential migration risk



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