Advantages of using AEROSIL® products in oil based seasonings

Technical Information TI 1396
How can AEROSIL® products improve your marinades?

• AEROSIL® products help to prevent spices from settling and herbs from floating.

• AEROSIL® grades increase the viscosity which helps the marinade to cling to the food.

How does AEROSIL® work in marinades?

• Dispersion of AEROSIL® products in vegetable oil results in thickening and a thixotropic effect is obtained.

• On the one hand, spices and herbs remain suspended in the thickened oil due to a 3-dimensional network between the AEROSIL® particles that keeps the solid ingredients stabilized.

• On the other hand, pouring the marinade is easy because of the thixotropic effect (viscosity decreases upon shear).

This thixotropic effect results in

• The stabilization of spices and herbs during transport and storage

• Easy handling by the customer

How can you use AEROSIL® products in your marinades and which equipment is necessary to disperse AEROSIL® products efficiently?

High shear equipment is required, such as:

• Rotor-stator system

• Dissolver
Recommended products for seasoning applications:

- AEROSIL® 200 F
- AEROSIL® 380 F

Advantages of using AEROSIL® products:

- Easy-to-use liquid condiment
- Keeps ingredients distributed evenly in the marinade
- Avoids floating of herbs

The result is a thicker, visually appealing and thus higher quality product

Storage of an oil/spice mixture
This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

AEROSIL® is a registered trademark of Evonik Industries AG or its subsidiaries.