

How to Prepare Solutions of METHOCEL™ in Nonaqueous Solvents and Nonsolvent Media

SOLUBILITY IN NONAQUEOUS SOLVENTS

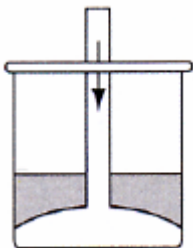
The solubility of METHOCEL™, premium cellulose, ethers in nonaqueous media varies according to the nature and quantity of substituent groups on the anhydroglucose chain. When using a water-miscible, organic solvent, such as alcohol or glycol, use a ratio of at least 5 to 8 parts of solvent to 1 part of METHOCEL™.

DISPERSION IN NON-SOLVENT MEDIA

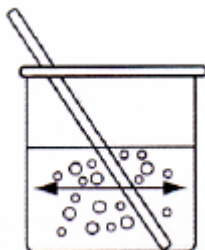
Untreated METHOCEL™ may also be dispersed in non-solvent media such as vegetable oil, propylene glycol, polyethylene glycol, glycerine, corn syrup and high-fructose corn syrup. A ratio of 5 to 8 parts non-solvent to 1 part METHOCEL™ is recommended to obtain a fluid slurry. The dispersion of METHOCEL™ in non-solvent medium may then be added to cold water, or the cold water may be added to the dispersion.

DISPERSION TECHNIQUE

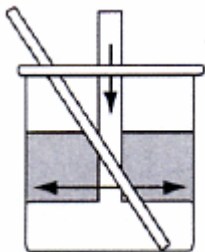
1. Add the METHOCEL™ to the non-solvent. A ratio of 5-8 parts non-solvent to 1 part METHOCEL™ is recommended to obtain a liquid slurry.



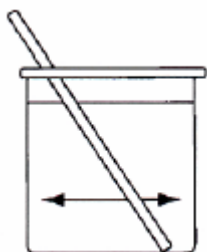
2. Agitate the mixture and METHOCEL™ powder until the particles of METHOCEL™ are evenly dispersed.



3. The dispersion of METHOCEL™ in non-solvent medium may be added to cold water, or the cold water may be added to the dispersion.



4. Continue mixing until the METHOCEL™ powder is completely hydrated and the solution is smooth. You can now add the remaining ingredients in your formulation.



For more information, contact your Colorcon representative or call:

North America
+1-215-699-7733

Europe/Middle East/Africa
+44-(0)-1322-293000

Asia Pacific
+65-6438-0318

Latin America
+54-11-4552-1565

You can also visit our website at www.colorcon.com

© Colorcon, 2009. The information contained in this document is proprietary to Colorcon and may not be used or disseminated inappropriately.

All trademarks, except where noted, are property of BPSI Holdings, LLC.

METHOCEL™ is a trademark of the Dow Chemical Company.

pi_methocel_prep_nonaq_v2_07_2009