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This translation has been prepared for the use of Dr. A. G. Cranch and Dr. H. F. Smyth, Jr.

Page numbers of the original German text are indicated in the left margin at the beginning of the translation of each page.

In many cases nomenclature has been changed to agree with American usage. Wherever possible concentration data has been expressed in p.p.m. or volume percent (10,000 p.p.m. = 1 Vol.%), in addition to the mgm. per liter figures of the original. The conversion factor has been added to the physical properties section under each solvent name. Other editorial changes have been held to a minimum. No attempt has been made to change the descriptions to agree with current American industrial methods. Unfortunately, it has proved impossible to be consistent in the listing of literature references.