

About the Authors

Anthony J. O'Lenick, Jr. is President of Siltech LLC, a silicone and surfactant specialty company he founded in 1989, now located in Dacula, Ga. Previously, he held technical and executive positions at Alkaril Chemicals Inc., Henkel Corporation and Mona Industries. He has been involved in the personal care market for more than 25 years.

Tony has published more than 45 technical articles in trade journals, contributed chapters to three books, and is the inventor on more than 250 patents. He has written two books, one on surfactants the other on silicone compounds. He received a number of awards for work in silicone chemistry, including the 1996 Samuel Rosen Award, given by the American Oil Chemists' Society; the 1997 Innovative Use of Fatty Acids Award, given by the Soap and Detergents Association; and the Partnership to The Personal Care Award, given by the Advanced Technology Group. Tony was a member of the Committee on Scientific Affairs of the Society of Cosmetic Chemists.

David C. Steinberg is President of Steinberg and Associates, a cosmetic consulting firm. David writes a column for *Cosmetics and Toiletries* magazine, and is a Fellow in the Society of Cosmetic Chemists. David is an Adjunct Professor at Farleigh Dickinson University and an instructor for the Society of Cosmetic Chemists. He is a past President of the Society of Cosmetic Chemists.

Kenneth Klein is President of Cosmetech Laboratories Inc, located in Fairfield N.J. Cosmetech is a leading consulting laboratory in the personal care industry. Ken is an Adjunct Professor at Farleigh Dickinson University and an instructor for the Society of Cosmetic Chemists. Ken is also a Fellow in the Society of Cosmetic Chemists, and a member of its Committee on Scientific Affairs. He is the author of numerous articles and book chapters, and has a number of patents.

Carter LaVay is the President and founder of Zenitech LLC, a specialty chemical company. Carter has many years of executive and marketing experience with companies including J.W. Hanson and GAF. Carter is the author of several chapters in books and the inventor on 12 United States Patents.

Preface

The information in this book is compiled from publicly available sources, and is designed to provide timely, salient information on the composition of the various oils of nature available to formulators of personal care products. Within the scope of oils, we include oils, waxes and certain esters. Information on chemical data, source data, carbon distribution data and availability has been provided. However, the list is by no means exhaustive or all-inclusive; it is intended to be illustrative of the type of materials available. The use of oils in cosmetic products in Japan is subject to special regulations. We have included the status in Japan for each oil when available. We have also included geographic information for each oil that has an established geographic area.

The work is organized around two important functional properties: carbon number and unsaturation levels. The first is an indication of the average number of carbon atoms in the oil; the second is the amount of multiple bonds present. Taken together, these two give what we believe are the most important factors in selecting the proper raw material.

It is important to consider not only the oil described, but also its impact upon the performance of surfactants and other derivatives. For more information on surfactants, please refer to *Surfactants: Strategic Personal Care Ingredients*, written by A.J. O'Lenick and published in 2005 by Allured Publishing, www.allured.com.