ACKNOWLEDGEMENT

I take this opportunity to express my deep sense of gratitude to Dr. H. B. Naik, M.Sc., Ph.D., F.I.C., C.Chem., F.R.S.C., Professor and Head of the Chemistry Department, South Gujarat University, Surat for his valuable guidance, supervision and parental care throughout the progress of my research work.

I am also thankful to the Principal, Gujarat College, Ahmedabad-6 and Dr. S.K. Nigam, Deputy Director, National Institute of Occupational Health, Ahmedabad-16 for providing me the laboratory facilities.

I am also indebted to Dr. S.K. Chatterjee, Ex-Director, and Dr. A.B. Karnik Sr. Research Officer, National Institute of Occupational Health, Ahmedabad-16; Prof. K.M. Buch, Dr. Mrs. L.C. Jhaveri, Dr. A.B. Patel of Chemistry Department, Gujarat College, Ahmedabad for their help and encouragement during the course of my research work.

Thanks are also due to Dr. V.N. Garg, Dr. Y.N. Sharma and Shri Jitendra Sheth of R & D Centre, Indian Petrochemicals Corporation Ltd., Bèroda for giving facilities to record UV, Visible and Infrared Spectra and thermoanalytical analysis.

I also express my thanks to Mrs. Amita Prajapati, Shri I.I. Balluwala, staff members of Chemistry Department of
Gujarat College, and all my other colleagues and my family members for encouraging and helping me.

I appreciate Shri R.K. Modi for typing out the thesis in a short span of time.

Last, but not the least, I gratefully acknowledge my wife Bharti who has given me encouragement for higher studies for such a long period.

(G.P. JESALPURA)