

PART I

Compressed Gases and Related Equipment

Part I presents basic information concerning compressed gases and cryogenic liquids and related equipment. Introductory presentations give an overview of the uses for these gases, the regulatory framework involved in their shipping and handling, the scientific basis for understanding the behavior of gases, the types of containers used to contain these materials, and basic guidelines for their safe handling.

The Compressed Gas Association, Inc. (CGA) issues general industry standards and recommendations for compressed gases along with a number of publications, which are concerned with highly specialized aspects of the

industry. Reference to these standards and recommendations, as well as those of other organizations, is made throughout the chapters of Parts I and in the individual gas monographs in Part II. A full descriptive listing of CGA publications and audiovisuals appears as an appendix in Part III.

A brief explanation of the International System of Units (SI) and some of the conversion factors used in this book can be found in the Units of Measure section at the end of Chapter 1. The appendices in Part III include more extensive information on technical abbreviations, acronyms and conversion factors.