

CONTENTS

| | |
|---|-----|
| Foreword | vii |
| Editor's Preface | xi |
| The Solubility of Gases in Liquids | xv |
| 1. Helium solubilities up to 2 bar | |
| 1.1 Water | 1 |
| 1.2 Salt solutions (aqueous) | 16 |
| 1.3 Salt solutions (non-aqueous) | 34 |
| 1.4 Organic compounds and water | 35 |
| 1.5 Hydrocarbons | |
| Saturated | 40 |
| Cyclic | 59 |
| Aromatic | 68 |
| 1.6 Organic compounds containing oxygen | 81 |
| 1.7 Organic compounds containing halogen | 90 |
| 1.8 Organic compounds containing sulfur | 98 |
| 1.9 Organic compounds containing nitrogen | 100 |
| 1.10 Other organic compounds | 109 |
| 1.11 Inorganic compounds | 110 |
| 1.12 Miscellaneous fluids including biological fluids | 114 |
| 2. Neon solubilities up to 2 bar | |
| 2.1 Water | 124 |
| 2.2 Salt solutions (aqueous) | 138 |
| 2.3 Organic compounds and water | 179 |
| 2.4 Hydrocarbons | |
| Saturated | 185 |
| Cyclic | 204 |
| Aromatic | 214 |
| 2.5 Organic compounds containing oxygen | 226 |
| 2.6 Organic compounds containing halogen | 235 |
| 2.7 Organic compounds containing sulfur | 243 |
| 2.8 Organic compounds containing nitrogen | 245 |
| 2.9 Other organic compounds | 248 |
| 2.10 Inorganic Compounds | 249 |
| 2.11 Miscellaneous fluids including biological fluids | 250 |
| 3. Helium solubilities above 2 bar | |
| 3.1 Water | 257 |
| 3.2 Salt solutions (aqueous) | 261 |
| 3.3 Hydrocarbons | 263 |
| 3.4 Other organic compounds | 280 |
| 3.5 Inorganic compounds | 282 |
| 3.6 Miscellaneous fluids | 356 |
| 4. Neon solubilities above 2 bar | |
| 4.1 Hydrocarbons | 357 |
| 4.2 Inorganic compounds | 359 |
| System Index | 386 |
| Registry Number Index | 392 |