

# Reviews on Corrosion Inhibitor Science and Technology

## Vol. 2



*Edited by A. Raman and P. Labine*

AN OFFICIAL

**NACE**<sup>®</sup>

INTERNATIONAL

Leading the World on Corrosion Control

PUBLICATION

# Contents

<i>Introduction</i> .....	1
I. "Mixed Inhibitors and Some Aspects of Synergism in Corrosion Inhibition" <i>N.N. Andreev, Yu.I. Kuznetsov</i> .....	I-1-17
II. "Combined Protection of Metals by Cathodic Polarization and Inhibitors" <i>Yu.I. Kuznetsov</i> .....	II-1-20
III. "Temperature Effects on Inhibitors and Corrosion Inhibition" <i>A. Raman</i> .....	III-1-12
IV. "Heterocyclics as Corrosion Inhibitors for Acid Media" <i>M. Ajmal, M.A.W. Khan, M.A. Quraishi</i> .....	IV-1-21
V. "Naphthenic Acid Corrosion and Its Control" <i>M. J. Zetlmeisl</i> .....	V-1-8
VI. "Corrosion Inhibitors in Hydrocarbon Systems" <i>A. Jayaraman, R.C. Saxena</i> .....	VI-1-18
VII. "Interaction of Corrosion Inhibitors with Corroded Steel Surface" <i>K. Kowata, K. Takahashi</i> .....	VII-1-12
VIII. "Corrosion Inhibitive Admixtures for Concrete" <i>M.J. Incorvia</i> .....	VIII-1-12
IX. "Corrosion Inhibition in the Presence of Microbial Corrosion" <i>H.A. Videla</i> .....	IX-1-11
X. "Development of Scale Inhibitors" <i>J.S. Gill</i> .....	X-1-20
XI. "Scale Inhibition in Desalination Applications: An Overview" <i>Z. Amjad</i> .....	XI-1-35
XII. "Corrosion Inhibitor Applications in Drinking Water Treatment: Conforming to the Lead and Copper Rule" <i>M.R. Schock</i> .....	XII-1-28
XIII. "Corrosion Inhibitors in the Electronic Industry" <i>V. Brusic</i> .....	XIII-1-12
XIV. "Corrosion Inhibitors in Fertilizer Production and Handling" <i>G.V. Prabhu-Gaunkar, A. Raman</i> .....	XIV-1-14
XV. "Corrosion Inhibition in Naval Vessels" <i>K.L. Vasanth</i> .....	XV-1-8
XVI. "Toxicity Issue of Organic Corrosion Inhibitors: Applications of QSAR Model" <i>W.P. Singh, J. O'M. Bockris</i> .....	XVI-1-15
XVII. "Recent Developments in Environmentally Safe Corrosion Inhibitors" <i>V. Jovancicevic, D. Hartwick</i> .....	XVII-1-15
XVIII. "Corrosion Inhibitors in Coating Toxicity, Regulations and Liability" <i>L.S. Vernon</i> .....	XVIII-1-17
Subject Index .....	315