

CONTENTS

Economic Aspects of the Inorganic Chemicals Sector	1
Environmental Aspects of Inorganic Chemicals Production	30
Education and Training of Chemists for the Inorganic Chemicals Industry	46
Water Purification and Recycling	69
The Chlor-Alkali Industry	106
Chlorine and Chlorination	134
Hydrofluoric Acid, Inorganic Fluorides, and Fluorine	149
The Bromine and Bromine-Chemicals Industry	168
The Modern Sulphuric Acid Process	183
Modern Processes for the Production of Ammonia, Nitric Acid and Ammonium Nitrate	201
The Manufacture, Properties and Uses of Hydrogen Peroxide and Inorganic Peroxy Compounds	232
Industrial Gases	273
Production and Uses of Inorganic Boron Compounds	302
Soluble Silicates and their Derivatives	320
Titanium Dioxide Pigments	354
Phosphorus, Phosphoric Acid, and Inorganic Phosphates	375
Inorganic Cyanogen Compounds	403
The Inorganic Chemistry of Nuclear Fuel Cycles	419