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Nota di contenuto	Frontmatter -- Preface -- Contents -- 1. Overview and Introduction to the Chemical Industry -- 2. Sulfuric Acid -- 3. Major Industrial Gases -- 4. Nitrogen Compounds -- 5. Chemicals from Limestone -- 6. Sodium Chloride -- 7. Further Inorganics -- 8. Water -- 9. Simple Organics from Petroleum -- 10. The C1 Fraction -- 11. The C2 Fraction and Ethylene Chemistry -- 12. C3 and C4 Fraction Chemistry -- 13. Liquid Organic Fuels -- 14. Aromatics and Their Derivatives -- 15. Polymers -- 16. Coatings and Adhesives -- 17. Fertilizers and Pesticides -- 18. The Paper Industry -- 19. Pharmaceuticals -- 20. Surfactants and Detergents -- 21. Rubber -- 22. Silicon -- 23. Iron and Steel -- 24. Aluminum -- 25. Copper -- 26. Other Major Metals for Industrial Use -- 27. Materials
Sommario/riassunto	Industrial Chemistry is a book that brings the subject matter of a chemistry curriculum to life. Comprehensibly written, it examines the major chemistry performed by industry and looks at how such chemical processes affect our lives. In addition, as each process is presented and examined, there is a significant discussion dedicated to the by-products, pollution, necessary waste generated, and attempts to make each process ecologically friendlier, or,'greener'. It bridges the divide between the basic chemistry that students learn in their undergraduate curriculum, and the broader chemical processes that are used in real life.