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	Nota di contenuto	Guidelines for Chemical Reactivity Evaluation and Application to Process Design; CONTENTS; List of Tables; List of figures; Preface; Acknowledgments; Glossary; List of Symbols; 1. INTRODUCTION; 1.1 GENERAL; 1.2 CHEMICAL REACTIVITY; 1.3 DETONATIONS, DEFLAGRATIONS, AND RUNAWAYS; 1.4 ASSESSMENT AND TESTING STRATEGIES; 2. IDENTIFICATION OF HAZARDOUS CHEMICAL REACTIVITY; 2.1. SUMMARY/STRATEGY; 2.1.1 Introduction; 2.1.2 Hazard Identification Strategy; 2.1.3 Exothermic Reactions; 2.1.4 Experimental Thermal and Reactivity Measurements; 2.1.5 Test Strategies
		2.1.6 Overview of Thermal Stability Test Methods2.1.7 Examples of Interpretation and Application of Test Data; 2.2 TECHNICAL SECTION; 2.2.2 Identification of High Energy Substances; 2.2.3. Hazard Prediction by Thermodynamic Calculations; 2.2.3.1 Oxygen Balance; 2.2.3.2 Calculation of the Reaction Enthalpy; 2.2.3.3 Application of Computer

Sommario/riassunto	Drawn from international sources, this book provides principles and strategies for the evaluation of chemical reactions, and for using this information in process design and management. A useful resource for engineers who design, start-up, operate, and manage chemical and petrochemical plants, the book places special emphasis on the use of state-of-the-art technology in theory, testing methods, and applications in design and operations.