1. Record Nr. UNINA9910876769603321 Autore Grossel Stanley S. <1928-> Titolo Guidelines for safe handling of powders and bulk solids New York, : American Institute of Chemical Engineers, Center for Pubbl/distr/stampa Chemical Process Safety, c2005 **ISBN** 9786612774188 9781282774186 1282774182 9780470925072 0470925078 9780470925058 0470925051 9781591248590 1591248590 Descrizione fisica 1 online resource (816 p.) Altri autori (Persone) ZaloshRobert G Disciplina 604.7 Soggetti Bulk solids handling - Safety measures Bulk solids handling - Equipment and supplies - Maintenance and repair Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "Principle authors, Stanley S. Grossel, Robert G. Zalosh"--P. xv. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Guidelines for Safe Handling of Powders and Bulk Solids; Contents; 6.8 Blast Resistant (Damage-Limiting) Construction of Buildings; Acknowledgments; 1 - Introduction and Overview; 1.1 Purpose of Book; 1.2 Particulate Hazards; 1.2.1 Combustibility Hazards; 1.2.2 Instability Hazards; 1.2.3 Reactivity Hazards; 1.2.4 Toxicity Hazards; 1.3 Accident

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## Sommario/riassunto

Powders and bulk solids, handled widely in the chemical, pharmaceutical, agriculture, smelting, and other industries present unique fire, explosion, and toxicity hazards. Indeed, substances which are practically inert in consolidated form may become quite hazardous when converted to powders and granules. The U.S. Chemical Safety and Hazard Investigation Board is currently investigating dust explosions that occured in 2003 at WestPharma, CTA Acoustics, and Hayes-Lemmerz, and is likely to recommend that companies that handle powders or whose operations produce dust pay more attention to understa