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Plastic foam released from an autoclave; 6.2 Dust explosion in a silo; Chapter 7. Case histories related to propagating brush discharges; 7.1 Plastic tube used in the pneumatic conveying of powder; 7.2 Plastic pipe used in the pneumatic conveying of powder; 7.3 Plastic injector in a jet mill; 7.4 PE liner in a metal drum; 7.5 PE liner in a paper drum; 7.6 Polymethylmethacrylate (PMMA) window pane in the silo of a granulating plant; 7.7 PP coated expansion pipe
7.8 Plastic tank inside a metal mould7.9 Literature; Chapter 8. Case histories related to spark discharges; 8.1 Dusts; 8.2 Rotating beater dryer (1); 8.3 Explosion of a resin powder in a metal drum; 8.4 Dust removal from tablets; 8.5 Filter bag with a supporting framework; 8.6 Filter fabric containing interwoven steel fibres; 8.7 Explosion when emptying a metal drum; 8.8 Filter fabric made partially conducting by a flame- proofing agent; 8.9 Emptying a tumble dryer; 8.10 Cyclone separator set up on a drum; 8.11 Fire caused by an antistatic PE bag; 8.12 Pouring powder into an agitator vessel
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8.29 Polyvinyl chloride (PVC) hose partially wetted with water

Sommario/riassunto

In the US, UK and Europe there is in excess of one notifiable dust or electrostatic explosion every day of the year. This clearly makes the hazards associated with the handling of materials subject to either cause or react to electrostatic discharge of vital importance to anyone associated with their handling or industrial bulk use. This book provides a comprehensive guide to the dangers of static electricity and how to avoid them. It will prove invaluable to safety managers and professionals, as well as all personnel involved in the activities concerned, in the chemical, agricultural, pharmac