

Chemical Process Safety Fundamentals With Applications Third Edition

As chemical processes have grown more complex, so have the safety systems required to prevent accidents. *Chemical Process Safety, Third Edition*, offers students and practitioners a more fundamental understanding of safety and the application required to safely design and manage today's sophisticated processes.

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*Process Safety Fundamentals -
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Process Safety Fundamentals - Chemical Engineering

Process safety is safety applied to processes, including chemical processes. Table 1-1 provides a more complete definition of process safety, along with several important definitions provided by the American Institute for Chemical Engineers (AIChE) Center for Chemical Process Safety (CCPS).

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Summary. As chemical processes have grown increasingly complex, so have the safety systems required to control them. Chemical Process Safety, Fourth Edition offers students and practitioners the deeper, more fundamental

understanding of safety required to properly design and manage these sophisticated processes and systems. Long the field's definitive guide, this edition has been extensively updated throughout to cover current techniques and procedures.

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The primary focus on technical fundamentals of chemical process safety provides a solid groundwork for understanding, with full coverage of both prevention and mitigation measures. Subjects include: Toxicology and industrial hygiene. Vapor and liquid releases and dispersion modeling.

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