

1. Record Nr.	UNINA9910877132003321
Titolo	Process safety for engineers : an introduction / / Center for Chemical Process Safety of the American Institute of Chemical Engineers
Pubbl/distr/stampa	New York, N.Y. : , : John Wiley & Sons, Inc., , [2022] ©2022
ISBN	9781119830986 (hbk.) 9781523146185 1523146184 9781119831075 (e-book) 1119831075 9781119830993 1119830990
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xli, 514 p.) : ill
Collana	A CCPS concept book
Classificazione	571 660.2804 660/.2804
Disciplina	660/.2804
Soggetti	Chemical processes - Safety measures Chemical plants - Safety measures
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A joint publication of the American Institute of Chemical Engineers and John Wiley & Sons, Inc.
Sommario/riassunto	In this significantly revised second edition of Process Safety for Engineers: An Introduction, CCPS delivers a comprehensive book showing how Process Safety concepts are used to reduce operational risks. Students, new engineers, and others new to process safety will benefit from this book. In this updated edition, each chapter begins with a detailed incident case study, provides steps that help address issues, and contains problem sets which can be assigned to students. The second edition covers: Process Safety: including an overview of CCPS' Risk Based Process Safety; Hazards: specifically fire and explosion, reactive chemical, and toxicity; Design considerations for

hazard control: including Hazard Identification and Risk Analysis; Management of operational risk: including management of change. In addition, the book presents how Process Safety performance is monitored and sustained. The associated online resources are linked to the latest online CCPS resources and lectures.
