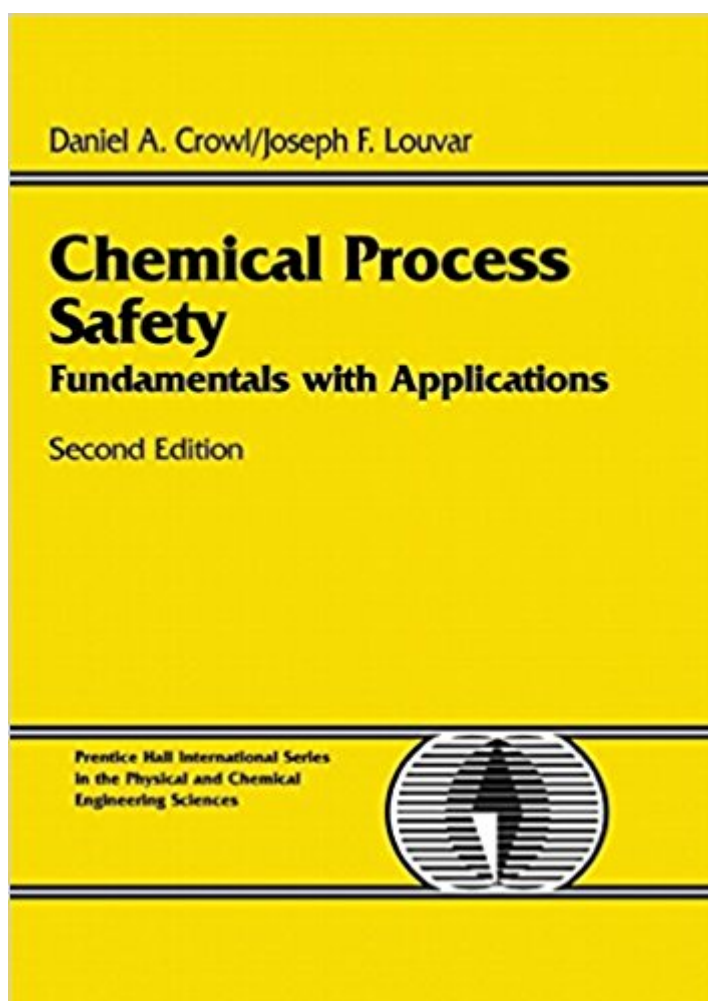




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Chemical Process Safety: Fundamentals With Applications (2nd Edition)



Synopsis

Combines academic theory with practical industry experience Updated to include the latest regulations and references Covers hazard identification, risk assessment, and inherent safety Case studies and problem sets enhance learning Long-awaited revision of the industry best seller. This fully revised second edition of *Chemical Process Safety: Fundamentals with Applications* combines rigorous academic methods with real-life industrial experience to create a unique resource for students and professionals alike. 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 Flammability characterization Relief and explosion venting In addition to an overview of government regulations, the book introduces the resources of the AIChE Center for Chemical Process Safety library. Guidelines are offered for hazard identification and risk assessment. The book concludes with case histories drawn directly from the authors' experience in the field. A perfect reference for industry professionals, *Chemical Process Safety: Fundamentals with Applications, Second Edition* is also ideal for teaching at the graduate and senior undergraduate levels. Each chapter includes 30 problems, and a solutions manual is now available for instructors.

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regulations and references Covers hazard identification, risk assessment, and inherent safety Case studies and problem sets enhance learning Long-awaited revision of the industry best seller. This fully revised second edition of Chemical Process Safety: Fundamentals with Applications combines rigorous academic methods with real-life industrial experience to create a unique resource for students and professionals alike. 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 Flammability characterization Relief and explosion venting In addition to an overview of government regulations, the book introduces the resources of the AIChE Center for Chemical Process Safety library. Guidelines are offered for hazard identification and risk assessment. The book concludes with case histories drawn directly from the authors' experience in the field. A perfect reference for industry professionals, Chemical Process Safety: Fundamentals with Applications, Second Edition is also ideal for teaching at the graduate and senior undergraduate levels. Each chapter includes 30 problems, and a solutions manual is now available for instructors.

Daniel A. Crowl is the Herbert H. Dow Professor for Chemical Process Safety at Michigan Technological University. The author of numerous books and instructional materials on process safety, he also serves on several committees of the AIChE/CCPS. Joseph F. Louvar retired as director of BASF's Chemical Engineering Department to become a professor at Wayne State University, specializing in chemical process safety, risk assessment, and the design of experiments. He has authored many publications on process safety and chairs the Undergraduate Education Committee of the CCPS.

I really liked the book (as much as one can like a textbook anyway). The examples were easy to follow and the layout was one which is conducive to learning. The book is really thick but surprisingly light.

Great book if you are looking to learning practical application of process safety. The book has pretty much no derivations and cuts straight to the chase. All equations are summarized well and the use of each equation is well noted.

Cheaper version than the non-international; just watch out for problem number differences.

The book was brand new and looked great. The chapters are all identical to the US edition, and so far all of the same problems are in the book. However, the problems are out of order from the US edition which can lead to confusing HW assignments, but it's pretty easy to figure out how they switched. Overall a great deal on this book

very dry content, but a useful book.

I bought this book for the class. I liked the contents a lot. It covers broad variety of topics all useful for a chemical engineer. Lots of examples. One thing I didn't like about the book, is that it has some errors in the formulas. I already used couple of things there for real technical tasks. (I am still a student)

I know the authors and they are committed to teaching undergraduate chemical engineers chemical process safety. Great job!

Is my text book in the course I teach

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