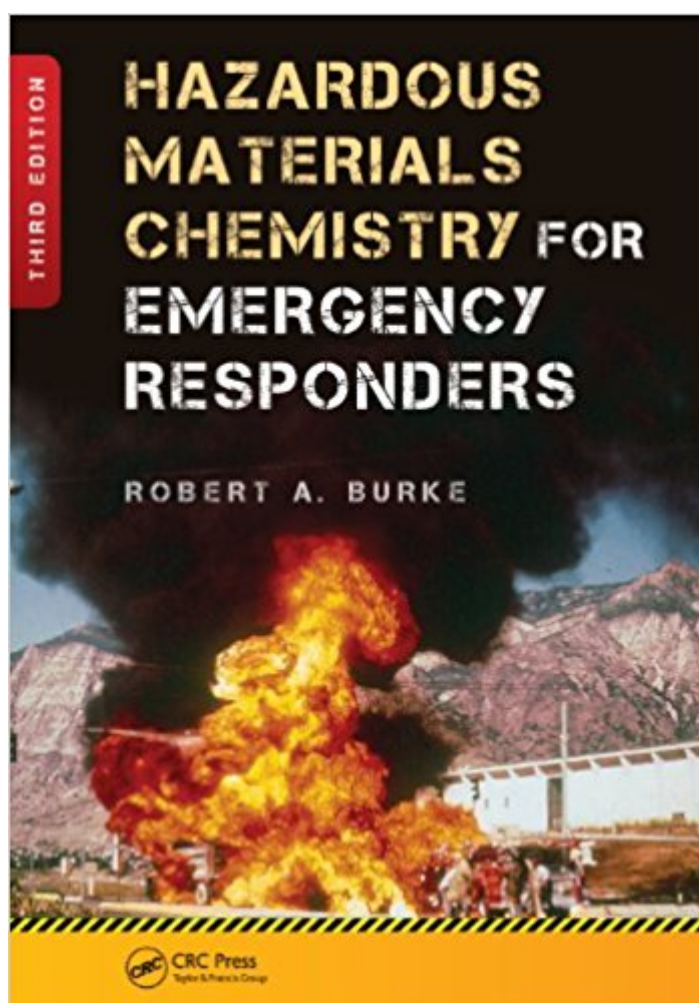


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# Hazardous Materials Chemistry For Emergency Responders, Third Edition



## Synopsis

The third edition of a bestseller, *Hazardous Materials Chemistry for Emergency Responders* continues to provide the fundamentals of "street chemistry" required by emergency response personnel. Emergency response and hazmat expert Robert Burke takes the basics of chemistry appropriate for response personnel and puts it into understandable terms. The author has retained the style and format that made the previous editions so popular while updating the information to keep the book relevant. See What's New in the Third Edition: Expanded section on Ethanol and its hazards to responders; Update of NFPA 472 Chemistry requirements; Revised section on "hazmat elements" with more hazards and response issues; Includes a focus on the importance of the "hazmat elements" of chemical families; New incident examples; New photographs and graphics. The chapters are organized by the nine U.S. Department of Transportation's hazard classes. Almost every hazardous material presents more than one hazard; the DOT's placarding and labeling system only identifies the most severe hazards. Therefore, the book provides additional information about hidden hazards for each hazard class. It discusses individual chemicals, their hazards and their physical and chemical characteristics, both as distinct chemicals and within chemical families. The book offers a concise presentation of the topics of most importance to emergency responders on a day-to-day basis. It provides the basic chemistry a responder needs to understand chemical terminology and communicate with others about the chemicals involved in hazardous materials incidents.

## Book Information

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## Customer Reviews

The material in the book is advanced and pretty good. But, it may be too advanced for the novice. The tests are too small. There are various errors in the book. There are a few wrong answers given in the tests. You can find an answer word for word in the book, yet the test has a different answer. Also it looks as if during the process of newer editions being printed, some of the info got moved around the book to different chapters. One time the author is teaching something and uses a concept that he has not taught yet. But then later in the book you find an intro to it. BUT, it is very informative and if you can digest it you will come out knowing ALOT more than before you owned the book. Also I can find a couple test questions that he reviewed in the book and then gives the wrong answer in the test answers section, even though you can find it in the book. An example is a structural formula in a test question. If you look in the back of the book you get something that is wrong! You go back to the chapter and find it correct. If better proof read and with better tests this book would be a 5 star easily. But since it is so expensive and has flaws it is JUST OKAY! Better proof reading was needed by the author and or editors to make this book a 5 star. It is expensive and for \$100 plus, you should receive a proof read book with larger tests at the end of each chapter. Instead of the 10-15 questions that you do get. You should get 20-30 questions.

This is one of my standard haz chem reference books - it's like taking Tech A week and breaking it down to a college semester (or year) course. I LOVE this book, and it now sits prominently on my bookshelf - and is one I loan to prospective Technician students so they can assess if they're ready for the fun of hazmat chemistry, and one that you can fall back on again and again if you have a hazmat chem question!

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