

definitions would be more useful in a concise glossary of terms in the appendix. The process and equipment descriptions could be included with the appropriate text, such as Chapter 6 on Accident Prevention, which is helpful in a book such as this. Chapter 5, on the other hand, dealing with Fire and Explosion fundamentals is especially well written and useful to a wide audience. Chapter 7, which discusses characteristics, uses and manufacture of several basic chemicals, serves as a good review of some potentially hazardous operations, as well as a review of which properties are important and what health effects can result from exposure to them.

Part III of the book (Chapters 8–10) deals with atmospheric dispersion. Chapter 8 presents the major equations which describe dispersion fundamentals, as well as analytical solutions to a number of cases that might be encountered. Some applications, concentrating on atmospheric effects, are discussed in Chapter 9 and some discussions about readily available models are presented in Chapter 10. A number of example problems are worked out.

The fourth and last part deals with risk assessment. Chapter 11 presents an elementary review of probability, which should provide the novice with some of the language used in hazard and risk assessment. This is followed by a discussion of common distribution models in Chapter 12 and some useful examples of applications in Chapter 13.

In summary, the book is well written, but suffers from a lack of consistency in the level of difficulty of presentation. Its scope might best be suited for the beginning manager who has little technical background, but needs to understand some of the jargon of the field.

LESLIE E. LAHTI

Land Disposal Remedial Action, Incineration and Treatment of Hazardous Waste: Proceedings of the Fourteenth Annual Research Symposium, by Risk Reduction Engineering Laboratory, U.S. Environmental Protection Agency, Cincinnati, OH, U.S. EPA Report No. EPA/900-9-88/021, July 1988, 630 pp. (ISBN, price – none given)

With a purpose of presenting the latest significant research findings of on-going and recently completed projects funded by the U.S. EPA, the 14th annual research symposium was held in Cincinnati, Ohio, in May, 1988. Forty-three complete papers are published in these Proceedings, in addition to the one-page summaries of the 22 individual poster papers.

The papers presented at the Conference were divided into four sessions:

Session A: Hazardous waste land disposal	-19 papers,
Session B: Hazardous waste incineration and treatment	-18 papers,
Session C: Combined session	- 6 papers,
Session D: Poster session	-22 papers.

Subjects discussed under the topic of hazardous waste land disposal include: remedial action treatment and control for waste disposal, landfill liners and cover systems, personnel protection, vapor suppression (during remedial action and spills), underground storage tanks (corrective action and monitoring), membrane leakage detection, expert systems, and biological treatment of leachates and toxic organics).

Under the title of Section C, one will find the following topics discussed: trial burns, rotary kilns, combustion fundamentals, bio-oxidation and waste minimization.

GARY F. BENNETT

Solvents in Common Use: Health Risks for Workers, by The Commission of the European Communities, Royal Society of Chemistry, London, ISBN 0-85186-088-5, 1988, 308 pp., £60.00 (US\$120.00).

This is the second book, in a series by the Royal Society, that contains information on solvents in common use. The first book, (*Organo-chlorine Solvents: Health Risks to Workers*) covered ten organo-chlorine solvents. This book, provides data on ten commonly used solvents: acetone, carbon disulfide, diethylether, 1,4-dioxane, ethylacetate, methanol, nitrobenzol, pyridine, toluene and xylene.

The following information is given for every solvent:

Chemical abstract name	Conditions under which the solvent is put on the market
Synonyms and trade names	Storage, handling and use precautions
CAS registry number	Fire hazards
NIOSH number	Emergency measures in the case of accidental spillage
Chemical and structural formula	First aid
Occurrence	Physico-chemical properties
Spectroscopic data	Medicine/health surveillance
Measurement techniques	Occupational exposure limits

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