a paucity of references in the first two sections. Additionally more data sources should have been referenced and general reading suggested (i.e. other books, review articles, etc.). However, my overall evaluation is that this is a reasonably good book.

G.F. BENNETT

Sources of Ignition: Flammability Characteristics of Chemicals and Products, by John Bond, Butterworth-Heinemann, Oxford, UK, 1991, ISBN 0-7506-1180-4, 156 pp., £30.00.

In the introduction (to this book) the author states, "In the investigation of fires and explosions, the source of fuel and oxygen are often readily ascertainable. The investigator then turns and determines how the fuel was released or how the oxygen (or air) came into contact with the fuel. In only about 50% of the accident investigations involving fires or explosions is the source of ignition determined with any degree of certainty ... This book deals with flammability characteristics of substance areas and discusses various sources of ignition with case histories to illustrate them."

Subsequent chapters discuss:

- Flammable limits
- Ignition energy
- Autoignition temperatures
- Sources of energy for ignition (mechanical, electrical, thermal, chemical)

There are several appendices of tables and data that actually make up 60% of the book. The largest of the appendices gives the following data "Fire and Related Properties of Chemicals" entitled:

- Flush point
- Autoignition temperatures
- Boiling point
- Flammability limits (upper, lower)
- Minimizing ignition energy at 25 °C
- Liquid specific gravity
- Vapor density

G.F. BENNETT

Academic Laboratory Chemical Hazard Guidebook, by W.J. Mahn, Van Nostrand Reinhold, New York, NY, 1991, ISBN 0-442-00165-7, 342 pp., $79.95.

Van Nostrand Reinhold has out a most enviable series of books given chemical safety information. Books on hazardous chemicals by Sax and Lewis are