Fire Protection Guide on Hazardous Materials, 7th edition, 1310 pp., National Fire Protection Association, 470 Atlantic Avenue, Boston, Mass., 1978, $12.50, ISBN 0-87765-130-2.

Recognized internationally as a clearing house for information on fire prevention, fire fighting procedures and means of fire protection, the National Fire Protection Association has published its seventh edition, (the first edition appeared in 1966) of the Fire Protection Guide on Hazardous Materials.

This 1310-page, 2¼-inch-thick volume contains a wealth of information divided into five major, easily usable, quick-reference, sections for emergency teams responding to hazardous material incidents. The first section entitled "the Flash Point Index", is a 308-page listing of the flash points of more than 8,800 trade name products.

The fire hazard properties (NFPA-325M) of more than thirteen hundred flammable substances are listed alphabetically in the second, 191-page section. Data include: chemical name, flash point, ignition temperature, flammable limits (lower and upper), specific gravity, vapour density, boiling point, solubility in water, extinguishing method, and suggested numerical hazard identification for health, flammability and reactivity.

Hazardous chemical data (NFPA 49) are given in the next 310 pages for approximately 416 chemicals listed alphabetically by name and synonym. Reported are fire, explosion and toxicity hazards; recommendations on storage and fire fighting are also given.

The Manual of Hazardous Chemical Reactions (NFPA 491M) which occupies the next 470 pages of the book includes information on 3,550 mixtures, arranged alphabetically by chemical name, of two or more reported chemicals to be potentially dangerous in that they may cause fires, explosions or detonation at ordinary or moderately deviated temperatures.

A system recommended for identifying the fire hazards of materials (NFPA 704) is the last of the five sections and the shortest (23 pages). This identification system simplifies the determination of the degree of health, flammability and reactivity hazards of materials. The system also permits identification of reactivity with water, radioactivity, hazards and fire control problems.

This is a book that must be in the library of anyone concerned with hazardous materials, especially fire departments.

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Monitoring Toxic Substances, edited by Dennis Schuetzle, ACS Symposium Series No. 94, hardback, 280 pp. plus index, American Chemical Society, Washington DC, 1979, $ 26.50.

This book, whose publication was prompted by the enactment of the U.S.