

the entire range of water and wastewater treatment processes. Other than that, it is just too simplistic for the described audience.

PII: S 0304-3894(00)00272-7

G.F. Bennett

### **Regulatory Chemicals Handbook**

Jennifer M. Spero, Bella Devito and Louis Theodore; Marcel Dekker, New York, NY, 2000, 1072 pp, US\$ 195.00, ISBN 0-8247-0390-1

Given the complexity of US law, reference guides to chemicals, their management, use and disposal are a requisite for environmental control professionals. This book addresses that need. Companion books on the properties and dangers of chemicals also are needed on the shelf of an environmental professional.

This book, as the title containing the word 'regulatory' (addressing the first of these needs) implies, can be used to obtain information on the three major classes of regulated pollutants:

1. hazardous air pollutants (HAPs),
2. priority water pollutants (PWP),
3. occupational, safety, and health administration (OSHA) chemicals.

Data are given for more than 750 different chemicals, 185 HAPs, 125 PWP and 450 OSHA-listed chemicals, with two to three pages devoted to each chemical. However, the information provided for each chemical depends on that section under which it is discussed (as shown below).

The fields of information for HAPs are

- CAS# (Chemical Abstracts Service Registry Number)/DOT# (Dot identification)
- synonyms,
- physical properties,
- chemical properties,
- exposure routes,
- human health risks,
- hazard risk,
- measurement methods,
- applicable regulations,
- major uses,
- storage,
- fire fighting,
- exposure guidelines,
- personal protection,
- spill clean-up,
- general comments,
- health symptoms,
- key references.

The fields of information for the PWP are

- CAS#/DOT#,
- synonyms,
- physical properties,
- chemical properties,
- biological properties,
- bioaccumulation,
- origin/industry sources/uses,
- toxicity,
- exposure routes,
- regulatory status,
- probable fate,
- treatability/removability,
- key references.

The fields of information for the OSHA chemicals are

- CAS#/DOT#,
- synonyms,
- physical properties,
- chemical properties,
- explosion and fire concerns,
- health symptoms,
- first aid,
- human toxicity data,
- acute health risks,
- chronic health risks,
- exposure guidelines,
- personal protection,
- spill clean-up,
- disposal and storage methods,
- regulatory information,
- other comments,
- key references.

Indices allow one to access the information on the chemicals either alphabetically or by employing a CAS number.