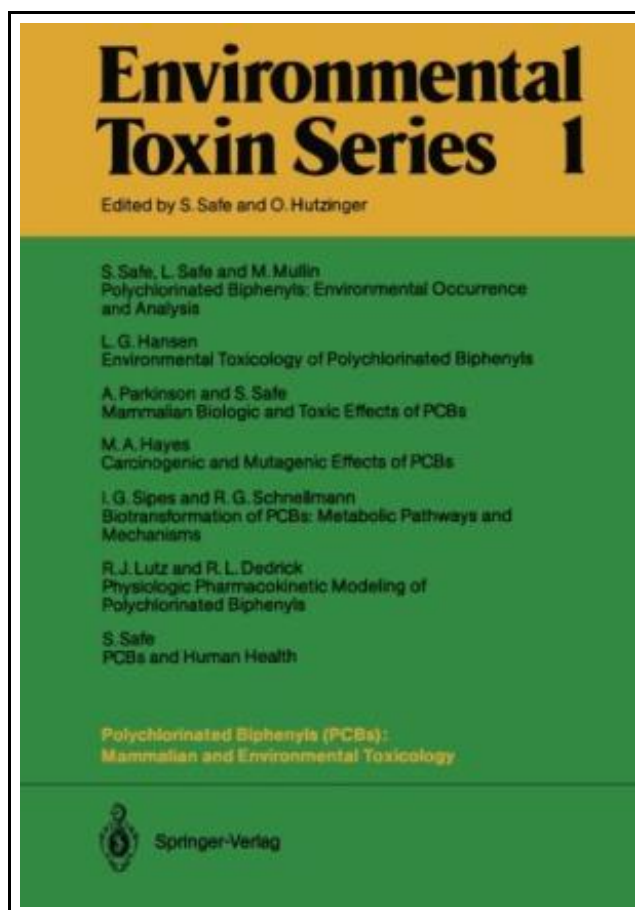


Polychlorinated Biphenyls (PCBs): Mammalian and Environmental Toxicology



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Reviews

It is an awesome book that we have possibly go through. It is actually writer in straightforward words and phrases and not confusing. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Tierra Kunde)

POLYCHLORINATED BIPHENYLS (PCBS): MAMMALIAN AND ENVIRONMENTAL TOXICOLOGY



Springer-Verlag Berlin and Heidelberg GmbH Co. KG, Germany, 2011. Paperback. Book Condition: New. 241 x 168 mm. Language: English . Brand New Book ***** Print on Demand *****.Polychlorinated biphenyls (PCBs) have been produced commercially since before 1930. They proved to be highly versatile mixtures and their uses continued to expand during the early 1970 s even after the unanticipated world-wide environmental contamination had been discovered (Jensen et al. , 1969; Koeman et al. , 1969). Over 600,000 metric-tons were produced and/or used in the U. S. during this time and it is estimated that worldwide production totaled about 1,200,000 metric-tons (Table 1). With low acute toxicities (Fishbein, 1974), these mixtures were considered generally biologically inactive even though industrial exposure had demonstrated hepatic and dermatological effects (Fishbein, 1974; Hansen, 1987). Thus, use and disposal were not carefully monitored and it is estimated that one-third of the world-wide production of PCBs has been released into the global environment (Table 1). Table 1. Estimated production and disposition of PCBs b U. s. a Worldwide 6 6 Production/use 610 X 10 kg 1200 X 10 kg Mobil environmental reservoir 82 400 Static reservoirs In service 340 Dumps 130 Total static 470 800 a NAS, 1979 b Tatsukawa and Tanaba, 1984 2 Environmental Distribution Many countries now impose strict controls on the use and release of PCBs. Release into the environment has declined dramatically in the last decade, but continued release from reservoirs (Table 1) into burdened ecosystems (Table 2) appears inevitable for several more decades (Barros et al. , 1984). Softcover reprint of the original 1st ed. 1987.



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