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SECONDARY VALUES FOR BENZ[A]ANTHRACENE (CAS # 56-55-3)

A search was conducted for information on the chemical properties and toxicity of benz[a]anthracene (to human health and to fish and aquatic life) using the following databases and search engines: ECOTOX (toxicity to fish and aquatic life), IRIS (Integrated Risk Information System; toxicity to human health), CHEMFATE (environmental fate), and ChemFinder (chemical properties). This search yielded some information on benzo[a]anthracene's properties (log octanol/water partition coefficient and water solubility), but no useable toxicity data. While there are several reports in the ECOTOX database for this chemical, none of these studies meet acceptability criteria. Benz[a]anthracene is listed as a Class B2 carcinogen (probable human carcinogen) in the IRIS database, but there is no cancer slope factor currently available. In addition, there is no oral reference dose available. Therefore, it is not possible to calculate any secondary values for benz[a]anthracene at this time.