

Download The Carcinogenic Effects Of Polycyclic Aromatic Hydrocarbons

Nomenclature, structure, properties Nomenclature and structure. By definition, polycyclic aromatic hydrocarbons have multiple cycles, precluding benzene from being considered a PAH. Naphthalene is considered the simplest polycyclic aromatic hydrocarbon by the US EPA and US CDC for policy contexts. Other authors consider PAHs to start with the tricyclic species phenanthrene and anthracene. REGULATORY TOXICOLOGY AND PHARMACOLOGY 16, 290-300 (1992) Toxic Equivalency Factors (TEFs) for Polycyclic Aromatic Hydrocarbons (PAHs) IAN C. T. NISBET AND PETER K. LAGOYI I.C.T. Nisbet & Company, 72 Codman Road, Lincoln, Massachusetts 01773-3701 Received July 21, 1992 The Polycyclic aromatic hydrocarbons (PAHs; also referred to as the polynuclear aromatic hydrocarbons or PNAs) are commonly ...1. Introduction. Polycyclic aromatic hydrocarbons (PAHs) are organic compounds that are mostly colorless, white, or pale yellow solids. They are a ubiquitous group of several hundred chemically related compounds, environmentally persistent with various structures and varied toxicity. Cancer incidence appears to be higher amongst firefighters compared to the general population. Given that many cancers have an environmental component, their occupational exposure to products of ...