



## ***Risk Assessment Methods for Setting Acceptable Limits for Acute and Chronic Toxic Ambient Air Contaminants***

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### **ABSTRACT**

Over the past 5-10 years, there has been increasing interest in understanding the magnitude and controlling the amount of emissions of non-priority pollutants to the ambient air. These chemicals, which have often been called air toxics, are a result of combustion and various fugitive, point source emissions, and mobile sources. In an attempt to understand the airborne concentrations at which some chemicals might pose a health hazard, a number of approaches have been proposed for identifying safe Ambient Air Levels (AALs). This paper presents the nine or ten different equations or methods by which AALs can be calculated. As discussed here, the vast majority of AALs established (to date) by regulatory agencies are derived from Occupational Exposure Limits (OEL). The advantages and disadvantages of this approach are also discussed. About 40 references are cited.

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