

# Download Chlorinated Dioxins And Dibenzofurans In Perspective

Dioxins and dioxin-like compounds (DLCs) are compounds that are highly toxic environmental persistent organic pollutants (POPs). They are mostly by-products of various industrial processes - or, in case of dioxin-like PCBs and PBBs, part of intentionally produced mixtures. They include: Polychlorinated dibenzo-p-dioxins (PCDDs), or simply dioxins. Low concentrations of dioxins existed in nature prior to industrialization as a result of natural combustion and geological processes. Dioxins were first unintentionally produced as by-products from 1848 onwards as Leblanc process plants started operating in Germany. The first intentional synthesis of chlorinated dibenzodioxin was in 1872.

1. EXPLANATION 1.1 Introduction. Polychlorinated dibenzodioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) are by-products of combustion and of various industrial processes, and they are widely present in the environment. Dioxin (2,3,7,8-TCDD) by . Fabio Pichierri. Tohoku University. Sendai, Japan. Molecule of the Month, September 2005. Introduction. Dioxin, the short name for 2,3,7,8-tetrachlorodibenzo-para-dioxin (2,3,7,8-TCDD), is considered to be one of the most dangerous compounds that pollute our environment.