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TREATABILITY DATA BASE, VERSION 5.0

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The purpose of the Risk Reduction Engineering Laboratory Treatability Data Base is to provide a thorough review of the effectiveness of proven treatment technologies in the removal/destruction of chemicals in various types of media including, but not limited to, municipal and industrial wastewater, drinking water, groundwater, soil, debris, sludge, and sediment.

The database contains 1,217 chemical compounds and over 15,800 sets of treatability data. The chemicals contained in the database are often those regulated under the Clean Water Act, Safe Drinking Water Act, Resource Conservation and Recovery Act, Toxic Substances Control Act, Superfund Amendments and Reauthorization Act, and other environmental laws enacted by Congress. For each chemical, the database includes: physical/chemical properties, aqueous and solid treatability data, Freundlich isotherm data, other environmental database information sources, and data references including a reference abstract. The physical/chemical properties included are those most routinely used, such as molecular weight, boiling point, melting point, etc. The treatability data summarize the treatment technologies used to treat the specific chemical; the type of waste/wastewater treated; the size of the study/plant; and the treatment efficiency achieved. Data sorting capabilities allow for comparison of treatability data. In addition, each data set is referenced to sources of information, operational information on process(es) sampled and quality-coded based upon analytical methods and reported quality assurance.

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