

CHEMICAL REFERENCE STATEMENT

DIOXIN

The term dioxin describes a family of 76 chemical compounds. Dioxins are produced as undesirable trace by-products of certain industrial chemical reactions or from the combination of some chemical substances. Dioxins have also been identified in smoke from cigarettes, charcoal grills, fireplaces and trash incinerators.

2,3,7,8-Tetrachlorodibenzo-p-dioxin, or TCDD, is the most toxic dioxin to laboratory animals. 2,3,7,8-TCDD is the only dioxin singled out by EPA for regulation and control.

PCBs (Polychlorinated biphenyls)

PCBs had been used since the 1930s primarily as components of fire resistant insulating fluids in electrical transformers and capacitors. The latest scientific data has shown that PCBs do not pose serious risk of injury to human health; are not human carcinogens; do not affect human reproduction or cause birth defects.

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CHLORANILINE

A chemical intermediate used in the production of dyes, pharmaceuticals and agricultural chemicals.

CHLORONITROBENZENE

A chemical intermediate used in the production of dyes, agricultural chemicals and rubber chemicals.

CHLOROPHENOL

A chemical intermediate used in the production of dyes, pharmaceuticals, solvents, wood preservatives and agricultural chemicals.

PHENOL

A chemical intermediate used in the production of several products including resins, pharmaceuticals, solvents and dyes.

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