

# 1,4 Dioxane

1,4-Dioxane is a likely human carcinogen that has been used in food additives and laboratory and manufacturing processes. It is also a byproduct of many chemicals used in household products, personal care products, plastics, and polyester, and from the 1950's to 1996.

## [1,4 Dioxane \(14DX-1\)](#)

### [Section 1 \(History of Use\)](#)

How 1,4-Dioxane was used in the past and how to determine potential sources of 1,4-dioxane.

## [1,4 Dioxane \(14DX-1\)](#)

### [Section 2.0 \(Regulatory Framework\)](#)

Presents the information about the regulatory framework of 1,4-dioxane.

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### [Section 3 \(Fate and Transport\)](#)

Overview of the chemical and physical properties of 1,4-dioxane and how they impact environmental fate and transport.

## [1,4-Dioxane \(14DX-1\)](#)

### [Section 3.1 \(Chemical and Physical Properties\) including Table 3-1 to Section 3.1.4](#)

Discusses physical and chemical properties of 1,4-dioxane as well as key properties that are relevant to 1,4-dioxane's fate and transport.

## [1,4 Dioxane \(14DX-1\)](#)

### [Section 4.0 \(Sampling and Analysis\)](#)

Describes potential sampling concerns when sampling for 1,4-dioxane; identifies the common analytical methods available for 1,4-dioxane in different matrices, including water, solids, and air; and highlights the benefits and limitations of the available analytical methods.