

## Product Stewardship Summary

# 1,4-Dioxane

<b>Chemical Name</b>	1,4-Dioxane
<b>Synonyms</b>	p-Dioxane, Diethylene dioxide, Diethylene ether
<b>CAS Number</b>	123-91-1
<b>EINECS Number</b>	204-661-8
<b>Revision Number</b>	1-2026

## Chemical identification and uses

- 1,4-Dioxane is a clear, colorless liquid with a faint etheral odor.
- It is used primarily as a solvent in the manufacture of chemicals and as a laboratory reagent. 1,4-Dioxane could be a trace contaminant of some chemicals used in cosmetics, detergents, and shampoos. However, manufacturers now reduce 1,4-dioxane from these chemicals to low levels before these chemicals are made into products used in the home.

## Potential exposures

- Exposure can occur in industrial or laboratory settings where 1,4-Dioxane is handled.
- Workers risk exposure primarily through inhalation, skin, and eye contact.
- Ensure proper ventilation and use of personal protective equipment to minimize exposure.

## Human Health hazards

- Highly flammable liquid and vapor and it should be handled with care.
- It can cause serious eye irritation and may cause respiratory irritation.
- It may cause cancer and has been classified as possibly carcinogenic to humans by IARC.
- Refer to the Safety Data Sheet (SDS) for additional information and protective measures.

*This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.*

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## Environmental Health hazards

- It is not readily biodegradable in aquatic environment and proper environmental controls should be taken during use. It is not toxic to fish, aquatic invertebrates and algae.

Please contact us at [PSCustomerCare@Solstice.com](mailto:PSCustomerCare@Solstice.com) for more information.

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