



Do you manufacture or use Siloxane D4?

If YES, some legal requirements may apply to you

Information regarding the notice requiring the preparation and implementation of pollution prevention plans in respect of Cyclotetrasiloxane, octamethyl- (siloxane D4) in industrial effluents

What is Siloxane D4?

Siloxane D4 (D4) refers to cyclotetrasiloxane, octamethyl- [Chemical Abstracts Service (CAS)¹ Registry Number 556-67-2]. This industrial chemical is currently imported into Canada and is mainly used in the manufacture of silicone polymers and copolymers. D4 is also used in personal care products and can be found in a variety of other products including defoamers, lubricants, cleaning products, adhesives, sealants and coatings.

Why do we need to manage D4?

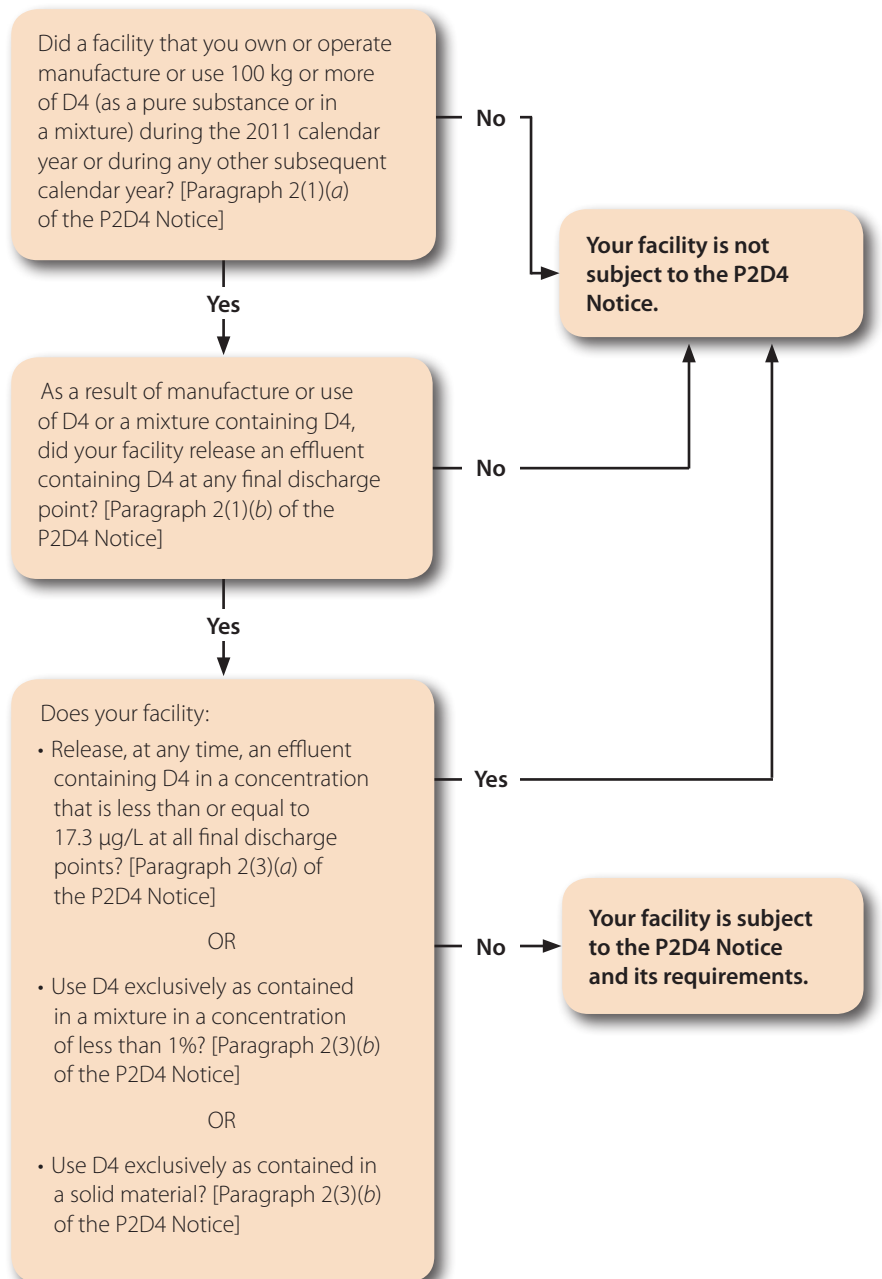
Environment Canada and Health Canada assessed D4 and concluded that this substance is entering or may be entering the environment in a quantity or concentration or under conditions that have or may have an immediate or long-term harmful effect on the environment or its biological diversity. The assessment report also concluded that D4 meets the criteria of persistence in the environment as set out in the *Persistence and Bioaccumulation Regulations*. D4 was assessed for all environmental media including air, water and soil, and it was determined that the presence of this substance in the aquatic environment is a source of concern.

In order to manage the risk posed by D4, Environment Canada published a Pollution Prevention (P2) Planning Notice to prevent or minimize the releases of D4 to the aquatic environment from manufacturers and industrial users of D4 in the *Canada Gazette*, Part I, on June 2, 2012.

1. The Chemical Abstracts Service (CAS) Registry Number is the property of the American Chemical Society, and any use or redistribution, except as required in supporting regulatory requirements and/or for reports to the government when the information and the reports are required by law or administrative policy, is not permitted without the prior, written permission of the American Chemical Society.

Are you subject to the P2D4 Notice?

The flowchart below is intended to help you determine whether you are subject to the P2D4 Notice.



For more information, please see section 2 of the P2D4 Notice.



What are the requirements of the P2D4 Notice?

The P2D4 Notice was published in the *Canada Gazette*, Part I, on June 2, 2012. The P2D4 Notice requires all persons subject to the Notice to prepare and implement a pollution prevention plan to address D4 releases in industrial effluent and meet the requirements of the P2D4 Notice. Outlined below are the key milestones for the preparation and implementation of P2 plans for D4.

Task	Deadline*
Prepare a pollution prevention plan, ensure that the plan addresses all the factors to consider and initiate implementation of the plan	June 1, 2013
Submit Schedule 1: Declaration that a Pollution Prevention Plan Has Been Prepared and Is Being Implemented	July 1, 2013
Submit Schedule 4: Interim Progress Report 1	July 1, 2014
Submit Schedule 4: Interim Progress Report 2	July 1, 2015
Submit Schedule 4: Interim Progress Report 3	July 1, 2016
Complete implementation of the pollution prevention plan	June 1, 2017
Submit Schedule 5: Declaration that a Pollution Prevention Plan Has Been Implemented	July 1, 2017
Keep a copy of the pollution prevention plan on site	Ongoing

* Deadline for a person subject to the P2D4 Notice on the date of publication. Please refer to the Notice for the deadline for a person becoming subject to the Notice after the date of publication, June 2, 2012.

How to report?

If you are subject to the P2D4 Notice, you must fill out the required forms (schedules). These forms can be filled out online using the P2 Planning Online Reporting Tool available at www.ec.gc.ca/planp2-p2plan. To obtain the schedules in paper format, you must send a request to LCPEPlansP2-CEPAP2Plans@ec.gc.ca. The paper schedules must be sent to the Innovative Measures Section of Environment Canada at:

Innovative Measures Section
 Environment Canada
 351 St. Joseph Boulevard
 Gatineau QC K1A 0H3
 Telephone: 819-994-0186
 Fax: 819-953-7970
 Email: LCPEPlansP2-CEPAP2Plans@ec.gc.ca

If the Notice does not apply to you, you can send a Notification of Non-Engagement Form to the Innovative Measures Section of Environment Canada. The form can be obtained from the P2D4 Notice Web page at www.ec.gc.ca/planp2-p2plan/default.asp?lang=En&n=51567C93-1.

How to stay informed?

Additional information and guidance on pollution prevention and preparing P2 plans can be found on the Pollution Prevention Planning section of Environment Canada's website at www.ec.gc.ca/planp2-p2plan and the Canadian Pollution Prevention Information Clearinghouse (www.ec.gc.ca/ccipp-cppic).

For questions regarding P2 plans in general or reporting, please contact the Innovative Measures Section of Environment Canada by email at LCPEPlansP2-CEPAP2Plans@ec.gc.ca or by phone at 819-994-0186.

For specific questions about the P2D4 Notice, please contact the Chemical Production Division of Environment Canada by email at pgpc-cmp.dppc-cpd@ec.gc.ca or by phone at 819-994-4404.

Disclaimer:

This document is issued for guidance on the *Notice requiring the preparation and implementation of pollution prevention plans with respect to cyclotetrasiloxane, octamethyl- (Siloxane D4) in industrial effluents* (P2D4 Notice), and is intended to be complementary to the P2D4 Notice.

If there is any discrepancy between the information contained in this document and the *Canadian Environmental Protection Act, 1999* (Act) or the P2D4 Notice, the Act and the P2D4 Notice will prevail.

Photos: Environment Canada

Cat. No.: En14-68/2012E-PDF
 ISBN 978-1-100-20832-9

For information regarding reproduction rights, please contact Public Works and Government Services Canada at 613-996-6886 or at droitdauteur.copyright@tpsgc-pwgsc.gc.ca.

© Her Majesty the Queen in Right of Canada,
 represented by the Minister of the Environment, 2012

Aussi disponible en français