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## Chemical Substances in Batch 2 of the Challenge

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### Risk Management Action Milestones

The [Risk Management Action Milestones](#) table outlines the risk management actions that were proposed for each chemical substance in this batch of the Challenge that met the criteria of section 64 of the *Canadian Environmental Protection Act, 1999*. These proposed risk management actions were published in the risk management approach documents for these substances. For the complete wording of these proposed actions, please refer to the risk management approach documents.

### Adding Substances to Schedule 1 of the *Canadian Environmental Protection Act*

Nine substances in this batch were initially proposed to be added to [Schedule 1](#). Following the publication of the proposed addition to Schedule 1, a Board of Review was established for one of these substances, D5, to examine the nature and extent of the danger posed by this substance. Following the receipt of the Board's report, recommendation and the review of all available information, the former recommendation to add D5 to Schedule 1 of the *Canadian Environmental Protection Act, 1999* is annulled. Therefore, in this batch, the final Orders to add eight substances to Schedule 1 have been published.

- Final Order adding seven substances: [Canada Gazette, Part II: Vol. 145, No. 4 - February 16, 2011](#) ([PDF Version - 5924 K](#))
  - Corresponding proposed Order adding eight substances: [Canada Gazette, Part I: Vol. 143, No. 20 - May 16, 2009](#) ([PDF Version - 890 K](#))
- Final Order adding one substance (bisphenol A): [Canada Gazette Part II: Vol. 144, No. 21 - October 13, 2010](#) ([PDF Version - 2017 K](#))
  - Corresponding proposed Order: [Canada Gazette, Part I: Vol. 143, No. 20 - May 16, 2009](#) ([PDF Version - 890 K](#))

### Applying Significant New Activity (SNAc) Provisions

#### Topics

[Chemicals at a Glance - Batch 2 Substances](#)

[What is risk assessment?](#)

[What is risk management?](#)

[Canadian Environmental Protection Act, 1999 - Fact Sheets](#)

#### Related Activities

[Siloxane D5 Board of Review](#) (Report was published on October 25, 2011)

[Notices of Objection](#) (Siloxanes D4 and D5)

[Pollution Prevention Planning Notice](#) (Bisphenol A)

[Pollution Prevention Planning Notice](#) (Isoprene)

[Pollution Prevention Planning Notice](#) (Siloxane D4)

View the [Comprehensive Listing of Substances that are Subject to a Significant New Activity Notice](#).

Seven substances in this batch have been addressed through the application of [Significant New Activity \(SNAc\)](#) provisions. Two Orders have been published. For additional guidance on submitting information required as part of SNAc notifications, please see the [Guidelines for the Notification and Testing of New Substances: Chemicals and Polymers](#).

- Order amending the *Domestic Substances List* that applies to five substances: [Canada Gazette, Part II: Vol. 146, No. 15 - July 18, 2012](#) ([PDF Version - 5,763 K](#))
  - Corresponding notice of intent: [Canada Gazette, Part I: Vol. 145 No. 4 - January 22, 2011](#) ([PDF Version - 900 K](#))
- Order amending the *Domestic Substances List* that applies to two substances: [Canada Gazette, Part II: Vol. 143, No. 10 - May 27, 2009](#) ([PDF Version - 801 K](#))
  - Corresponding Notice of intent: [Canada Gazette, Part I: Vol. 142, No. 21 - May 24, 2008](#) ([PDF Version - 779 K](#))

## Summary of Batch 2 Substances and Publications

**Substances that meet one or more criteria in section 64 of the *Canadian Environmental Protection Act, 1999***

CAS No.	Chemical Substance	Final Order and RIAS	Public Comments on the Proposed Risk Management Approach	Final Screening Assessment	Proposed Risk Management Approach	Public Comments on the Draft Screening Assessment and Risk Management Scope
62-56-6	<a href="#">Thiourea</a>	<a href="#">HTML</a> <a href="#">PDF</a>	None	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
78-79-5	<a href="#">Isoprene</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
80-05-7	<a href="#">Bisphenol A</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
106-89-8	<a href="#">Epichlorohydrin</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
556-67-2	<a href="#">Siloxane D4</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">Summary of risk management actions for D4</a> <sup>1</sup>	<a href="#">HTML</a>
732-26-3	<a href="#">2,4,6-tri-tert-butylphenol</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
1344-37-2	<a href="#">C.I. Pigment Yellow 34</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
12656-85-8	<a href="#">C.I. Pigment Red 104</a>	<a href="#">HTML</a> <a href="#">PDF</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>	<a href="#">HTML</a>

<sup>1</sup> The Risk Management Approach for D4 reflects past decisions on a substance (D5) that are no longer applicable. This document is available upon request.

**Substances that do not meet any of the criteria in section 64 of the *Canadian Environmental***

**Protection Act, 1999**

<b>CAS No.</b>	<b>Chemical Substance</b>	<b>Final Screening Assessment</b>	<b>Public Comments</b>
108-05-4	<a href="#">Vinyl Acetate</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
541-02-6	<a href="#">Siloxane D5</a>	<a href="#">HTML<sup>1</sup></a>	<a href="#">HTML<sup>1</sup></a>
540-97-6	<a href="#">Siloxane D6</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
2778-42-9	<a href="#">Tetramethyl-<i>m</i>-xylylene diisocyanate</a>	<a href="#">HTML</a>	None
4474-24-2	<a href="#">Acid Blue 80</a>	<a href="#">HTML</a>	None
15086-94-9	<a href="#">D&amp;C Red No. 21</a>	<a href="#">HTML</a>	<a href="#">HTML</a>
70161-19-2	<a href="#">Acid Green 40:1</a>	<a href="#">HTML</a>	None
83006-67-1	<a href="#">ADIBSS</a>	<a href="#">HTML</a>	None
125351-99-7	<a href="#">AMS</a>	<a href="#">HTML</a>	None

<sup>1</sup> These documents reflect past decisions on the substance that are no longer applicable. These documents have been left available for information purposes only.

**Siloxane D5**

In February 2012, following the consideration of [Siloxane D5 Board of Review](#) recommendations and of all available information, a revised final decision for Siloxane D5 was published in the [Canada Gazette, Part I: Vol. 146, No. 8 - February 25, 2012](#) ([PDF Version - 1,914 K](#)). The Government of Canada concluded that D5 is not entering the environment in a quantity or under conditions that constitute a danger to the environment. The former recommendation to add D5 to Schedule 1 of the *Canadian Environmental Protection Act, 1999* is therefore annulled. The following outlines the timelines in making the revised final decision:

- In January 2009, a Notice relating to the release of the [Final Screening Assessment Report](#) for D5 was published in the [Canada Gazette, Part I: Vol. 143 No. 5 - January 31, 2009](#). The assessment concluded, based on the information available at that time, that the substance is 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, thus meets one or more of the criteria set out in section 64 of the Act;
- In May 2009, a proposed Order adding D5 and eight Batch 2 substances to the *List of Toxic Substances* in Schedule 1 of CEPA 1999 was published in the [Canada Gazette, Part I: Vol 143, No. 20 - May 16, 2009](#).
- In July 2009, a [Notice of Objection](#) requesting the establishment of a board of review for D5 was filed by the Silicones Environmental, Health and Safety Council of North America.
- In January 2010, a significant amount of new scientific information on D5 became available from industry studies submitted to Environment Canada. In addition, new information became available on D5 from the published literature and from scientific studies conducted at Environment Canada and in other jurisdictions.
- In August 2010, the Minister of the Environment established a Board of Review for D5 to inquire into the nature and extent of the danger posed by D5 was published in the [Canada Gazette, Part I: Vol 144, No. 34 - August 21, 2010](#).
- In October 2011, the [Report of the Board of Review](#) was completed. The report considered

all the available scientific information and concluded that D5 does not pose a danger to the environment.

- In February 2012, after consideration of all available information including the Board's report and recommendations, the Government of Canada has published a revised decision on D5.

## Timelines

Date	Substances Affected	Activity
July 18, 2012	CAS Nos. 62-56-6, 106-89-8, 732-26-3, 1344-37-2 and 12656-85-8	Publication in <i>Canada Gazette</i> of Order amending the DSL to apply the Significant New Activity provisions of CEPA 1999.
February 25, 2012	CAS Nos. 541-02-6	Publication in <i>Canada Gazette</i> of Notice of Annulment of the proposed Order adding D5 to Schedule 1 and of the final assessment decision under subsection 77(6).
February 16, 2011	CAS Nos. 62-56-6, 78-79-5, 106-89-8, 556-67-2, 732-26-3, 1344-37-2 and 12656-85-8	Publication in <i>Canada Gazette</i> of Final Order Adding seven substances to Schedule 1.
January 22, 2011	CAS Nos. 62-56-6, 106-89-8, 732-26-3, 1344-37-2 and 12656-85-8	Publication in <i>Canada Gazette</i> of Notice of intent to amend the DSL to apply the Significant New Activity provisions of CEPA 1999, and start of 60-day public comment period.
October 13, 2010	CAS No. 80-05-7	Publication in <i>Canada Gazette</i> of Final Order Adding bisphenol A to Schedule 1.
August 21, 2010	CAS No. 541-02-6	Publication in <i>Canada Gazette</i> of Notice to establish a Board of Review for D5.
May 27, 2009	CAS Nos. 70161-19-2 and 83006-67-1	Publication in <i>Canada Gazette</i> of Order amending the DSL to apply the Significant New Activity provisions of CEPA 1999.
May 16, 2009	CAS Nos. 62-56-6, 78-79-5, 80-05-7, 106-89-8, 541-02-6, 556-67-2, 732-26-3, 1344-37-2 and 12656-85-8	Publication in <i>Canada Gazette</i> of proposed Order adding substances to Schedule 1, and start of 60-day public comment period.
January 31, 2009	The remaining 16 substances in Batch 2	Publication in <i>Canada Gazette</i> of final assessment decision under subsection 77(6), release of proposed risk management approach document, and start of 60-day public comment period on the proposed risk management approach document.
October 18, 2008	CAS No. 80-05-7	Publication in <i>Canada Gazette</i> of final assessment decision under subsection 77(6), release of proposed risk management approach document, and start of 60-day public comment period on the proposed risk management approach document.
May 24, 2008	CAS Nos. 70161-19-2 and 83006-67-1	Publication in <i>Canada Gazette</i> of Notice of intent to amend the DSL to apply the Significant New Activity provisions of CEPA 1999, and start of 60-day public comment period.
May 24, 2008	CAS Nos. 2778-42-9, 15086-94-9, 70161-19-2, 83006-67-1 and 125351-99-7	Publication in <i>Canada Gazette</i> and start of 60-day public comment period on (a) the draft screening assessment and (b) the proposal to pursue one of the measures as specified under subsection 77(2).

May 17, 2008	CAS Nos. 540-97-6, 541-02-6, 556-67-2, 732-26-3, 4474-24-2, 62-56-6, 78-79-5, 106-89-8, 108-05-4, 1344-37-2 and 12656-85-8	Publication in <i>Canada Gazette</i> and start of 60-day public comment period on (a) the draft screening assessment, (b) the proposal to pursue one of the measures as specified under subsection 77(2) and (c) the risk management scope documents.
April 19, 2008	CAS No. 80-05-7	Publication in <i>Canada Gazette</i> and start of 60-day public comment period on (a) the draft screening assessment, (b) the proposal to pursue one of the measures as specified under subsection 77(2) and (c) the risk management scope documents.
November 13, 2007	All Batch 2 substances	Deadline for submission of additional information by interested stakeholders, including on the extent and nature of the management/stewardship of Batch 2 substances.
September 12, 2007	All Batch 2 substances	Deadline for submission of information under the section 71 Notice on Batch 2 substances (if no extension granted).
May 12, 2007	All Batch 2 substances	Release of Batch 2 of the Challenge and the accompanying technical documents.

## Final Screening Assessments and Risk Management Approaches

In October 2008, the final screening assessment report for one substance (bisphenol A) in this batch was released. A Notice relating to this release was published in the [Canada Gazette, Part I: Vol. 142, No. 42 - October 18, 2008](#) ([PDF Version - 504 K](#)).

In January 2009, the final screening assessments reports for the remaining 16 substances in this batch were released. Notices relating to this release were published in the [Canada Gazette, Part I: Vol. 143, No. 5 - January 31, 2009](#) ([PDF Version - 1057 K](#)).

The final screening assessments concluded that nine substances in this batch meet one or more criteria in section 64 of the *Canadian Environmental Protection Act, 1999* (CEPA 1999). The Government proposed to add these substances to Schedule 1 of the *Act*. Proposed risk management approach documents were also released on these dates for the substances in this batch which met the criteria in section 64 of CEPA 1999. In February 2012, following the consideration of [Siloxane D5 Board of Review](#) recommendations and all available information, a revised final decision for [Siloxane D5](#) was released. The former recommendation to add D5 to Schedule 1 of CEPA 1999 is annulled.

Comments, and the Government's response, relating to general themes are summarized in the [Summary of Overarching Public Comments Received on the Proposed Risk Management Approach Documents for Batch 2](#).

## Draft Screening Assessment Reports and Risk Management Scopes

New information was received from industry or interested stakeholders for each of the 17 substances in this batch. In April and May of 2008, the draft screening assessment reports were released and the related Notices were published in the *Canada Gazette*. Risk management scope documents were also released in conjunction with these publications:

- [Canada Gazette, Part I: Vol. 142, No. 16 - April 19, 2008](#) ([PDF Version - 1418 K](#))
- [Canada Gazette, Part I: Vol. 142, No. 20 - May 17, 2008](#) ([PDF Version - 756 K](#))
- [Canada Gazette, Part I: Vol. 142, No. 21 - May 24, 2008](#) ([PDF Version - 779 K](#))

Comments and the Government's response relating to general themes on the draft screening assessment reports and risk management scope documents are summarized in the [Summary of Overarching Public Comments Received on the Batch 2 Substances](#).

## Launch of Batch 2 and Submissions Received

Information on substances in this batch was gathered from industry and interested stakeholders through a mandatory survey Notice issued under section 71 of CEPA 1999. They were also invited to complete a voluntary questionnaire.

Two Notices related to the launch of Batch 2 were published in May 2007 in the *Canada Gazette*. The section 71 Notice applied to 15 of the 17 substances in this batch. The remaining two substances (CAS Nos. 732-26-3 and 15086-94-9) had been surveyed under a previous section 71 Notice, and the Government had obtained sufficient information that they were not included in the May 2007 Notice.

- Technical information: [Canada Gazette, Part I: Vol. 141, No. 19 - May 12, 2007 \(PDF Version - 922 K\)](#)
- Section 71 Notice: [Canada Gazette, Part I: Vol. 141, No. 19 - May 12, 2007 \(PDF Version - 922 K\)](#)

### Number of Submissions Received for this Batch

Approximate Number	Type of Information Submitted
169	Responses to mandatory section 71 Notice (responses were received relating to 14 substances in the batch)
73	Requests for extension of the deadline for section 71 Notice responses granted
54	Voluntary submissions of Questionnaires (Questionnaires were received relating to 10 substances in the batch)
125	Expressions of "Stakeholder Interest" (responses were received relating to 17 substances in the batch)
168	Other submissions (for example, studies, additional information) (submissions were received relating to 14 substances in the batch)

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