



Single Window Reporting

NPRI and Partners

Plan Summary Preview

Company Details

Company Legal Name:

Company Address:

Report Details

Facility:

Facility Address:

Update Comments:

Activities

Facility Contacts

Facility Contacts

Please assign the appropriate contact under each category below.

Public Contact: *

Highest Ranking Employee:

Person responsible for preparing the toxic substance reduction plan:

Organization Validation

The information in this section was extracted from the Single Window Information Manager (SWIM) at the time that this report was created. To load up-to-date SWIM information, click "**Refresh from SWIM**".

Changes made here will be reflected in this report only and not in SWIM.

Company and Parent Company Information

Company Details

Company Legal Name: *

Company Trade Name: *

Business Number: *

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

City*

Province/Territory**

Postal Code:**

Physical Address

Address Line 1

City

Province/Territory

Postal Code

Additional Information

Land Survey Description

National Topographical Description

Parent Companies

Apotex Inc.

Company Legal Name: *

Percentage owned: *

Business Number: *

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

City*

Province/Territory**

Postal Code: **

Physical Address

Address Line 1

City

Province/Territory

Postal Code

Additional Information

Land Survey Description

National Topographical Description

Facility Validation

The information in this section was extracted from the Single Window Information Manager (SWIM) at the time that this report was created. To load up-to-date SWIM information, click "**Refresh from SWIM**".

Changes made here will be reflected in this report only and not in SWIM.

Facility Information

Facility: *

NAICS Id: *

NPRI Id: *

ON Reg 127/01 Id:

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

City*

Province/Territory**

Postal Code: **

Physical Address

Address Line 1

City

Province/Territory

Postal Code

Additional Information

Land Survey Description

National Topographical Description

Geographical Address

Latitude

Longitude

UTM Zone**

UTM Easting**

UTM Northing**

Contact Validation

The information in this section was extracted from the Single Window Information Manager (SWIM) at the time that this report was created. To load up-to-date SWIM information, click "**Refresh from SWIM**".

Changes made here will be reflected in this report only and not in SWIM.

Contacts

Public Contact:

First Name: *

Last Name: *

Position: *

Telephone: *

Ext:

Fax:

Email: *

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

City*

Province/Territory**

Postal Code: **

Employees

Employees

Number of Full-time Employees: *

Substances

64-17-5, Ethyl Alcohol

64-17-5, Ethyl Alcohol

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

If 'yes', provide the exact statement of intent: **

If 'no', what rationale is specified in the plan for not using less of this substance? **

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility?*

If 'yes', provide the exact statement of intent: **

If 'no', what rationale is specified in the plan for not creating less of this substance?: **

Objectives, Targets and Description

Plan Objectives

Objectives in plan: *

Toxic Substance Use Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or	<input type="text"/> <input type="text"/>

Timeframe target:*

<input checked="" type="checkbox"/> No target	or	<input type="text"/> years
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Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or	<input type="text"/> <input type="text"/>

Timeframe target:

<input checked="" type="checkbox"/> No target	or	<input type="text"/> years
---	----	-------------------------------

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility:*

Summarize why this substance is used at the facility:**

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

Summarize why this substance is created at the facility:**

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).

If 'Yes', explain why no option will be implemented: **

No viable reduction opportunities were identified. Ethyl alcohol is predominantly used in production as a cleaning agent. Any alteration in its use could have a negative impact on the products manufactured. Apotex must follow strict cleaning protocols to ensure the safety of our products and to meet regulatory requirements. The other area where ethyl alcohol is used is within the laboratories. The amount used is insignificant and as a result, no options were identified that were economically feasible.

Materials or feedstock substitution

Empty

Product design or reformulation

Empty

Equipment or process modifications

Empty

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Empty

Rationale for choosing these options for implementation:

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX): *

TSRP0141

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX): *

TSRP0141

Which version of the plan is reflected in this summary?*

New Plan

75-05-8, Acetonitrile

75-05-8, Acetonitrile

Substances Section Data

Statement of Intent

Use

Does the plan include a statement that stipulates the owner or operator's intent to use less of this toxic substance at their facility?*

If 'yes', provide the exact statement of intent: **

Apotex Inc. is committed to reviewing our environmental aspects and continuously improving our environmental programs. Whenever feasible, we will reduce or eliminate the use and releases of acetonitrile in compliance with all Federal, Provincial and Municipal Regulations.

If 'no', what rationale is specified in the plan for not using less of this substance? **

Creation

Does the plan include a statement that stipulates the owner or operator's intent to create less of this toxic substance at their facility?*

If 'yes', provide the exact statement of intent: **

If 'no', what rationale is specified in the plan for not creating less of this substance?: **

Acetonitrile is not created through any processes at Apotex Inc.

Objectives, Targets and Description

Plan Objectives

Objectives in plan: *

Our goal is to identify and implement practical solutions that will increase efficiencies associated with the use of acetonitrile.

Toxic Substance Use Targets

Reduction target:*

	Quantity	Unit
<input checked="" type="checkbox"/> No target	or <input type="text"/>	<input type="text"/>

Timeframe target:*

No target or years

Description of use targets:

Toxic Substance Creation Targets

Reduction target:*

	Quantity	Unit



No target

or

Timeframe target:

*



No target

or

years

Description of creation targets:

Reasons for Using this Toxic Substance

This substance is used at the facility: *

Summarize why this substance is used at the facility: **

Reasons for Creating this Toxic Substance

This substance is created at the facility: *

Summarize why this substance is created at the facility: **

Toxic Reduction Options for Implementation

Toxic substance reduction option(s) to be implemented:

Does the plan specify that no toxic reduction option will be implemented?*

If 'No', record the option(s) under the appropriate categories below (e.g., Materials or feedstock substitution; Product design or reformulation).

If 'Yes', explain why no option will be implemented: **

Materials or feedstock substitution*Empty***Product design or reformulation***Empty***Equipment or process modifications****Other**

Which activities will be undertaken to implement these reduction options?

Select an option: *

Describe the option: *

Laboratory testing - In making sample preparation and mobile phase, chemists often prepare excess solution for contingency. Implement a standardized contingency amount so chemists measure and make only what is actually required (e.g. 1.5x instead of 2x).

Estimates

Estimated reduction in the toxic substance attributed to the implementation of this option:

Select All

Estimate of the amount by which the **use** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the **creation** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the toxic substance **contained in the product** leaving the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the total **releases to air** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the total **releases to water** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the total **releases to land** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the **disposals on-site** (including tailing and waste rock) of the toxic substance at the facility will be reduced as a result on implementing this option:

N/A tonnes

%

Estimate of the amount by which the **disposals off-site** of the toxic substance at the facility will be reduced as a result on implementing this option:

N/A tonnes

%

Estimate of the amount by which total **recycling off-site** of the toxic substance at the facility will be reduced as a result on implementing this option:

N/A

tonnes

%

Timelines

Anticipated timeline for achieving the estimated reduction

Select All

Anticipated timelines for achieving the estimated reduction of the **use** of the toxic substance:

N/A years

Anticipated timelines for achieving the estimated reduction of the **creation** of the toxic substance:

N/A years

Spill or leak prevention

Empty

On-site reuse, recycling or recovery

Empty

Improved inventory management or purchasing techniques

Empty

Good operator practice or training

Training related to toxics substance reduction

Which activities will be undertaken to implement these reduction options?

Select an option: *

Describe the option: *

Estimates

Estimated reduction in the toxic substance attributed to the implementation of this option:

Select All

Estimate of the amount by which the **use** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the **creation** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the toxic substance **contained in the product** leaving the facility will be reduced as a result of implementing the option:

N/A tonnes

%

Estimate of the amount by which the total **releases to air** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

 %

Estimate of the amount by which the total **releases to water** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

 %

Estimate of the amount by which the total **releases to land** of the toxic substance at the facility will be reduced as a result of implementing the option:

N/A tonnes

 %

Estimate of the amount by which the **disposals on-site** (including tailing and waste rock) of the toxic substance at the facility will be reduced as a result on implementing this option:

N/A tonnes

 %

Estimate of the amount by which the **disposals off-site** of the toxic substance at the facility will be reduced as a result on implementing this option:

N/A tonnes

 %

Estimate of the amount by which total **recycling off-site** of the toxic substance at the facility will be reduced as a result on implementing this option:

N/A tonnes

 %

Timelines

Anticipated timeline for achieving the estimated reduction

Select All

Anticipated timelines for achieving the estimated reduction of the **use** of the toxic substance:

N/A years

Anticipated timelines for achieving the estimated reduction of the **creation** of the toxic substance:

N/A years

Rationale for choosing these options for implementation:

The above options were chosen because they were assessed as being technically and economically feasible.

Summary of actions undertaken outside of the plan to reduce the use and creation of this toxic substance at the facility:

The facility will be looking at the feasibility of using auto sampling equipment (TPW3 autosampler) in the labs. This equipment could potentially reduce the amount of acetonitrile used. Depending on the outcome of this feasibility evaluation, the reduction plan for acetonitrile may be updated. This piece of

equipment has been successfully installed in the R&D lab at another Apotex Inc. facility.

License number of the toxic substance reduction planner who made the recommendations for this substance (format TSRPXXXX): *

TSRP0141

License number of the toxic substance reduction planner who certified the plan for this substance (format TSRPXXXX): *

TSRP0141

Which version of the plan is reflected in this summary?*

New Plan

Version: 2.6.1.3

APOTEX

ADVANCING GENERICS


150 Signet Dr.

Plan Certifications for Ethyl Alcohol

Highest Ranking Employee

As of *December 16, 2013*, I, *Dr. Jeremy B. Desai*, certify that, I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the **Toxics Reduction Act, 2009** and Ontario Regulation 455/09 (General) made under that Act.

[Ethyl Alcohol CAS 64-17-5 version 0]



Dr. Jeremy B. Desai
President & C.O.O, Apotex Inc.

Dec 16th 2013

Date

Licensed Toxics Reduction Planner

As of *December 16, 2013*, I, *Anthony Desilva* certify that I am familiar with the processes at *Apotex Inc. – 150 Signet Dr. site* that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the **Toxics Reduction Act, 2009** that are set out in the plan dated *December 13, 2013* and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

[Ethyl Alcohol CAS 64-17-5 version 0]



Anthony Desilva
Toxics Reduction Planner, Licence # TSRP0141

December 16, 2013

Date

APOTEX

ADVANCING GENERICS


150 Signet Dr.

Plan Certifications for Acetonitrile

Highest Ranking Employee

As of *December 16, 2013*, I, *Dr. Jeremy B. Desai*, certify that, I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the **Toxics Reduction Act, 2009** and Ontario Regulation 455/09 (General) made under that Act.

[Acetonitrile CAS 75-05-8 version 0]



Dr. Jeremy B. Desai
President & C.O.O, Apotex Inc.

Dec 16th 2013

Date

Licensed Toxics Reduction Planner

As of *December 16, 2013*, I, *Anthony Desilva* certify that I am familiar with the processes at *Apotex Inc. – 150 Signet Dr. site* that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the **Toxics Reduction Act, 2009** that are set out in the plan dated *December 13, 2013* and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

[Acetonitrile CAS 75-05-8 version 0]



Anthony Desilva
Toxics Reduction Planner, Licence # TSRP0141

December 16, 2013

Date