Government of Canada Gouvernement du Canada

Canada

Single Window Reporting
NPRI and Partners

Plan Summary Preview

Company Details

Company Legal Name:

Apotex Inc.

Company Address:

150 Signet Drive, Toronto (Ontario)

Report Details

Facility:

Apotex Inc. Etobicoke site

Facility Address:

50 Steinway Boulevard, Toronto (Ontario)

Update Comments:

Activities

Facility Contacts

Facility Contacts

Please assign the appropriate contact under each category below.

Public Contact:*

Elie Betito

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:*

Apotex Inc.

Company Trade Name:*

Apotex Inc.

Business Number:*

100234897

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

150 Signet Drive

City*

Toronto

Province/Territory**

Ontario

Postal Code:**

M9L1T9

Physical Address

Address Line 1

150 Signet Drive

City

Toronto

Province/Territory

Ontario

Postal Code

M9L1T9

Additional Information

Land Survey Description

National Topographical Description

Parent Companies

Apotex Inc.

Company Legal Name:*

Apotex Inc.

Percentage owned:*

100.00

Business Number:*

100234897

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1
150 Signet Drive

City*
Toronto

Province/Territory**
Ontario

Postal Code:**
M9L1T9

Physical Address

Address Line 1
150 Signet Drive

City
Toronto

Province/Territory
Ontario

Postal Code
M9L1T9

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:*
Apotex Inc. Etobicoke site

NAICS Id:*
325410

NPRI Id:*

0000010731

ON Reg 127/01 Id:

10775

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

150 Signet Drive

City*

Toronto

Province/Territory**

Ontario

Postal Code:**

M9L1T9

Physical Address

Address Line 1

50 Steinway Boulevard

City

Toronto

Province/Territory

Ontario

Postal Code

M9W6Y3

Additional Information

Land Survey Description

National Topographical Description

Geographical Address

Latitude

43.75080

Longitude

-79.62550

UTM Zone**

17

UTM Easting**

610660

UTM Northing**

4845113

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:*

Elie

Last Name:*

Betito

Position:*

Director, Government Relations

Telephone:*

4167499300

Ext:

7366

Fax:

Email:*

ebetito@apotex.com

Mailing Address

Delivery Mode:

PO Box

Rural Route Number

Address Line 1

200 Barmac Drive

City*

Toronto

Province/Territory**

Ontario

Postal Code:**

M9L 2Z7

Employees

Employees

Number of Full-time Employees:*

1141

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?*

Yes

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 ethyl alcohol 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?*

No

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

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

Ethyl alcohol is not created through any process 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 ethyl alcohol.

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☑ No target	or		

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:*

Ancillary other use

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

Production Cleaning - Used in cleaning activities calling for denatured ethanol. Laboratories - Small amount (equal to 1% of amount used for cleaning) is used in High-Performance Liquid Chromatography (HPLC) testing (1.8% of total ethyl alcohol at the facility)

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not 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?*

Yes

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

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

NA - M10, PM2.5 - Particulate Matter <= 2.5 Microns

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?*

No

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

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

Particulate matter is not used at Apotex, only created.

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?*

Yes

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 releases of PM2.5 Particulate Matter in compliance with all Federal, Provincial and Municipal Regulations.

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:*

Our goal is to identify, investigate and where possible, implement practical solutions that will increase efficiencies associated with the release of PM2.5 Particulate Matter.

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☑ No target	or		

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:*

This substance is not 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:*

As a by-product

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

Production operations - During the manufacturing of Apotex's products, particulate matter is created and released into the air. A small percentage is not captured by the filters and released into the environment. Diesal combustion - Diesel generators are used as an emergency power source. Particulates are generated during the combustion of Diesel and are released to air. Natural gas combustion - Natural gas is used in the production of steam and heat. Particulates are generated during the combustion of Natural Gas and are released to air

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?*

Yes

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:**

Particulate matter is generated during the manufacturing process. Investigations revealed that the only means of reducing the release of this material is to reduce the raw materials entering the process and to increase the efficiency of the filters. Neither of these options are economically feasible. Particulates are also created in the combustion of diesel and natural gas. Changing these fuel types or the equipment that utilizes them would also not be 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?*

Yes

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?*

No

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 process at Apotex Inc.

Objectives, Targets and Description

Plan Objectives

Objectives in plan:*

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

Toxic Substance Use Targets

Reduction target:*

		Quantity	Unit
☑ No target	or		

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:*

As a physical or chemical processing aid

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

Laboratories - Used in High-Performance Liquid Chromatography (HPLC) testing.

Reasons for Creating this Toxic Substance

This substance is created at the facility:*

This substance is not 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?*

No

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:*

Other

Describe the option:*

Laboratory testing - In making sample solvent solution 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

2.7 tonnes

25
%

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
2.7
tonnes

25
%

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
1
years

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

N/A
years

Modified equipment, layout or piping

Which activities will be undertaken to implement these reduction options?

Select an option:*

Modified equipment, layout or piping

Describe the option:*

R&D laboratory testing - Use automated sampling equipment (TPW3 autosampler) to reduce number of individual experiments requiring acetonitrile as a solvent. Note that this equipment was installed in 2013 and implemented for the methanol reduction. It will be further utilized to reduce acetonitrile use in 2014.

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

0.17 tonnes

1.6 %

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

0.17
tonnes

1.6
%

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

0
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:*

Training related to toxics substance reduction

Describe the option:*

Create a presentation on the environmental effects of acetonitrile and present this to lab chemists, so that they are aware of how to deal with this material effectively. Note that the reduction amounts cannot be directly quantified for this 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

0
tonnes

0
%

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
1
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:

As a follow up to the reduction option outlined above, the facility will be looking at the feasibility of using the TPW3 autosampler in the facility's QC Lab in the future. Depending on the outcome of this feasibility evaluation, the reduction plan for acetonitrile may be updated accordingly.

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

50 Steinway Blvd.

Plan Certifications for Ethyl Alcohol

Highest Ranking Employee

As of *December 13, 2013*, I, *Tom Mitten*, 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]

12-19-13

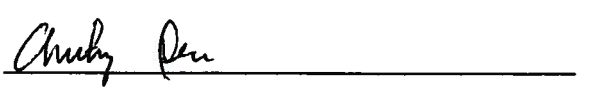
Tom Mitten
VP, Product Supply - Etobicoke

Date

Licesenced Toxics Reduction Planner

As of *December 13, 2013*, I, *Anthony Desilva* certify that I am familiar with the processes at *Apotex Inc. – 50 Steinway Blvd. 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]



December 13, 2013

Anthony Desilva
Toxics Reduction Planner, Licence # TSRP0141

Date

APOTEX
ADVANCING GENERICS

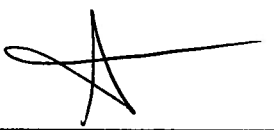
50 Steinway Blvd.

Plan Certifications for PM2.5 Particulate Matter

Highest Ranking Employee

As of *December 13, 2013*, I, *Tom Mitten*, 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.

[PM2.5 Particulate Matter version 0]



12-19-13

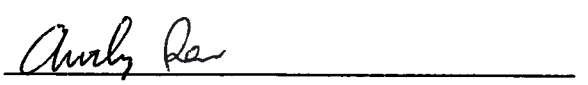
Tom Mitten
VP, Product Supply - Etobicoke

Date

Licesenced Toxics Reduction Planner

As of *December 13, 2013*, I, *Anthony Desilva* certify that I am familiar with the processes at *Apotex Inc. – 50 Steinway Blvd. 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.

[PM2.5 Particulate Matter version 0]



December 13, 2013

Anthony Desilva
Toxics Reduction Planner, Licence # TSRP0141

Date

APOTEX
ADVANCING GENERICS

50 Steinway Blvd.

Plan Certifications for Acetonitrile

Highest Ranking Employee

As of *December 13, 2013*, I, *Tom Mitten*, 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]

12-19-13

Tom Mitten
VP, Product Supply - Etobicoke

Date

Licesenced Toxics Reduction Planner

As of *December 13, 2013*, I, *Anthony Desilva* certify that I am familiar with the processes at *Apotex Inc. – 50 Steinway Blvd. 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]

December 13, 2013

Anthony Desilva
Toxics Reduction Planner, Licence # TSRP0141

Date