Cabot Canada Ltd. Toxics Reduction Public Summary Report

Facility Information

Toxics Substances Reported:

Anthracene, Naphthalene, Carbonyl Sulphide, Carbon Disulphide, Hydrogen Sulphide, Total Reduced Sulphur, Mercury, Pyrene, Total Particulate Matter (TPM), Particulate Matter < 10 microns (PM10), Particulate Matter < 2.5 microns (PM2.5), Carbon Monoxide, Nitrogen Oxides, Sulphur Dioxide, Acetylene

Copy of Certification:

As of June 1, 2018 I certify that I have read the report on the toxic substance reduction plan(s) for the toxics listed above and am familiar with their contents and to my knowledge the information contained in the report(s) is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. Highest Ranking Employee:

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Company Name	Cabot Canada Ltd.	
Facility Name	Cabot Canada Ltd.	
Facility Physical Address	800 Tashmoo Avenue	
Facility Mailing Address	Sarnia, ON N7T 7N4	
Spatial Coordinates of Facility	384424.00, 4755366.00 (NAD83)	
Number of Employees	105	
NPRI ID	5808	
2 Digit NAICS Code	32	
4 Digit NAICS Code	3251	
6 Digit NAICS Code	325189	
Parent Company Name	Cabot Corporation	
Address	2 Seaport Lane, Suite 1300, Boston, MA 02210, USA	
Percent Ownership (if available)	100.00%	
Public Contact	Anna Chmielinski	
Position	Environmental Specialist	
Address	800 Tashmoo Avenue, Sarnia, ON N7T 7N4	
email	Anna.Chmielinski@cabotcorp.com	
Phone	519-339-8280	
Fax	519-339-8273	

Toxics Substances Reported:	
Substance Name	Naphthalene
CAS#	91-20-3
Report Date:	1-06-18
Plan Date:	31-12-12
Plan Objectives and Targets	While Cabot Canada does not intend to reduce the use of naphthalene, the plan was developed with the following objectives - we will continue to operate in compliance with all applicable environmental regulations; and we will continue to manage releases of mercury through current and future pollution prevention and best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>1,000 to 10,000	>1,000 to 10,000	>-10 to - 100	-1%
C - Created	0	0	0	NA
P - In a product that leaves the process	>0 to 1	>0 to 1	>0 to -1	-2%
A - Released to Air	>0 to 1	>0 to 1	>0 to 1	2%
W - Released to Water	>0 to 1	>0 to 1	>0 to -1	-26%
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	>0 to 1	>0 to 1	>0 to 1	7%
R - Off-Site Recycling	0	0	0	NA

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

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Toxics Substances Reported:	
Substance Name	Carbonyl Sulphide
CAS#	463-58-1
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Carbonyl Sulphide, the plan was developed with the following objectives • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Carbonyl Sulphide through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>100 to	>100 to	>-10 to -	-10%
	1,000	1,000	100	
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>-1 to -10	-8%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in	sulphur cont	ent of feeds	tock

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Carbon Sulphide
CAS#	75-15-0
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Carbon Disulphide, the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Carbon Disulphide through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>1,000 to 10,000	>1,000 to 10,000	>-100 to 1,000	-11%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>-1 to -10	-9%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in	sulphur conte	ent of feedst	ock

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Hydrogen Sulphide
CAS#	7783-06-4
Report Date:	1-06-18
Plan Date:	31-12-13
	While Cabot Canada Ltd. does not intend to
	reduce the use or creation of Hydrogen Sulphide,
	the plan was developed with the following
	objectives:
	 We will continue to operate in full compliance
	with all applicable environmental regulations;
Plan Objectives and Targets	 We will continue to manage releases of
	Hydrogen Sulphide through current and future
	pollution prevention and best management
	practices; and,
	 We will review all recommendations provided
	by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>1 to 10	>1 to 10	>0 to -1	-1%
C - Created	>1,000 to	>100 to	>-100 to -	-11%
	10,000	1,000	1,000	
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>-1 to -10	-8%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in	sulphur cont	ent of feeds	tock

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the None	
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Total Reduced Sulphur (TRS) & Compounds
CAS#	NA
Report Date:	1-06-18
Plan Date:	31-12-13
	While Cabot Canada Ltd. does not intend to
	reduce the use or creation of Reduced Sulphur
	and Compounds, the plan was developed with
	the following objectives:
	We will continue to operate in full compliance
	with all applicable environmental regulations;
Plan Objectives and Targets	 We will continue to manage releases of
	Reduced Sulphur and Compounds through
	current and future pollution prevention and best
	management practices; and,
	 We will review all recommendations provided
	by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>1 to 10	>1 to 10	>0 to -1	-1%
C - Created	>1,000 to	>1,000 to	>-100 to -	-11%
	10,000	10,000	1,000	
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>-1 to -10	-9%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in	sulphur cont	ent of feeds	tock

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None	
Summary of additional actions taken during the previous calendar year that impacted the	None	
Summary of differences between steps taken and those set out in the plan.	None	
Description of amendments to the plan.	None	

Toxics Substances Reported:	
Substance Name	Mercury
CAS#	NA
Report Date:	1-06-18
Plan Date:	31-12-12
Plan Objectives and Targets	While Cabot Canada does not intend to reduce the use of mercury, the plan was developed with the following objectives - we will continue to operate in compliance with all applicable environmental regulations; and we will continue to manage releases of mercury through current and future pollution prevention and best management practices.

Toxics Substance Accounting and Comparison

2016	2017	Delta	Delta %
kg	kg		
>100 to 1000	>100 to 1000	>-1 to -10	-1%
0	0	0	NA
>100 to 1000	>100 to 1000	>-1 to -10	-1%
>10 to 100	>10 to 100	>0 to -1	-2%
0	0	0	NA
0 .	0	0	NA
0	0	0	NA
>0 to 1	>0 to 1	>0 to 1	7%
0	0	0	NA
	kg >100 to 1000 0 >100 to 1000 >10 to 1000 >10 to 100 0 0 0 >0 to 1	kg kg >100 to >100 to 1000 1000 0 0 >100 to >100 to 1000 1000 >10 to 100 >10 to 100 0 0 0 0 >0 to 1 >0 to 1	kg kg >100 to >100 to 1000 1000 0 0 >100 to >100 to 1000 >100 to >10 to 100 >10 to 100 >10 to 100 >10 to 100 0 0 0 0 0 0 0 0 0 to 1 >0 to 1

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

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Toxics Substances Reported:	
Substance Name	Total Particulate Matter (PM)
CAS#	NA
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>0 to -1	-1%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>0 to -1	-1%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No significant change			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a None	
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

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Toxics Substances Reported:	
Substance Name	Particulate Matter <=10 Microns (PM10)
CAS#	NA
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>0 to -1	-1%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>0 to -1	-1%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No significar	nt change		

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a None	
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Particulate Matter <= 2.5 Microns (PM2.5)
CAS#	NA
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to
	reduce the creation of Particulate Matter (PM,
	PM10 & PM2.5), the plan was developed with the
	following objectives:
	 We will continue to operate in full compliance
	with all applicable environmental regulations;
	 We will continue to manage releases of
	Particulate Matter (PM, PM10 & PM2.5) through
	current and future pollution prevention and best
	management practices; and,
	 We will review all recommendations provided
	by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>0 to -1	-1%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>0 to -1	-1%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No significa	nt change		

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Carbon Monoxide
CAS#	630-08-0
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Carbon Monoxide, the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Carbon Monoxide through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>1,000 to 10,000	>1,000 to 10,000	>-1 to -10	0%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>1,000 to 10,000	>1,000 to 10,000	>-1 to -10	0%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No significant change			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Nitrogen Oxides (Expressed as NO2)
CAS#	11104-93-1
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Nitrogen Oxides, the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Nitrogen Oxides through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>100 to 1,000	>100 to 1,000	>10 to 100	2%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>100 to 1,000	>100 to 1,000	>10 to 100	2%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No significa	nt change		

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Sulphur Dioxide
CAS #	7446-09-5
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Sulphur Dioxide, the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Sulphur Dioxide through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>1,000 to	>1,000 to	>-100 to -	-11%
	10,000	10,000	1,000	
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>1,000 to	>1,000 to	>-100 to -	-11%
	10,000	10,000	1,000	
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	Decrease in	sulphur conte	ent of feedst	ock

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None
Description of amendments to the plan.	None

Toxics Substances Reported:	
Substance Name	Acetylene
CAS#	74-86-2
Report Date:	1-06-18
Plan Date:	31-12-13
Plan Objectives and Targets	While Cabot Canada Ltd. does not intend to reduce the creation of Acetylene, the plan was developed with the following objectives: • We will continue to operate in full compliance with all applicable environmental regulations; • We will continue to manage releases of Acetylene through current and future pollution prevention and best management practices; and, • We will review all recommendations provided by the Certifying Planner.

Toxics Substance Accounting and Comparison

Pathways	2016	2017	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	0	0	0	NA
C - Created	>10 to 100	>10 to 100	>0 to -1	-2%
P - In a product that leaves the process	0	0	0	NA
A - Released to Air	>10 to 100	>10 to 100	>0 to -1	-2%
W - Released to Water	0	0	0	NA
L - Released to Land	0	0	0	NA
O - On-Site Disposals	0	0	0	NA
F - Off-Site Disposals	0	0	0	NA
R - Off-Site Recycling	0	0	0	NA
Summary of reasons for changes between current year and previous year.	No significant change			

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en

Summary of steps taken during the previous calendar year to implement the plan and a	None
Summary of additional actions taken during the previous calendar year that impacted the	None
Summary of differences between steps taken and those set out in the plan.	None
Description of amendments to the plan.	None
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