

Owens Corning Insulating Systems Canada LP - Toronto Facility

Toxics Reduction Public Summary Report

Facility Information

Company Information	Owens Corning Insulating Systems Canada LP
Facility Name	Toronto Facility
Facility Physical Address	3450 McNicoll Avenue, Toronto, ON, Canada, M1V 1Z5
Facility Mailing Address	Same as physical address
Spatial Coordinates of Facility	640284Easting; 4853861Northing
Number of Employees	150
NPRI ID	1245
2 Digit NAICS Code	31-33
4 Digit NAICS Code	3279
6 Digit NAICS Code	327990

Parent Company Information

Parent Company Name	OC Canada Holdings Company
Address	900-1959 Upper West Street, Halifax, Nova Scotia, B3J 3N2
Percentage Ownership (if available)	99.99%

Facility Contact

Public Contact	Jacquelyn Desloges
Position	Environmental Leader
Address	3450 McNicoll Avenue, Toronto, ON, Canada, M1V 1Z5
Email	Jacquelyn.Desloges@owenscorning.com
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Date of summary

Reporting Year	2016
Summary Date	June 1, 2017

Toxic Substances Required

Manganese and its Compounds, Phosphorus, Selenium and its Compounds, Carbon monoxide, Total Particulate Matter, PM10, PM2.5

Copy of Certification:

As of June 1, 2017, 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.

The original version of this report is signed off by:

Highest Ranking Employee: Michael Radosevic

Title: Plant Leader

Signature: 

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Substance Information and Plan Objective

Substance Name	Manganese (and its compounds)
CAS #	NA - 09
Report Date:	1-Jun-17
Plan Date:	19-Dec-12
Plan Objectives and Targets	Our goal is to reduce manganese used at our facility and to further minimize the potential for losses through continuous improvements and our commitment to best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	100 to 1,000	100 to 1,000	-100 to -1,000	-52%
C - Created	-	-	-	-
P - In a product that leaves the process	100 to 1,000	100 to 1,000	-100 to -1,000	-32%
Summary of reasons for changes between current year and previous year	Change in production levels			

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>

Progress In Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan.	N/A - reduction option completed in previous reporting year.		
Summary of the toxics reductions achieved as a result of the steps taken.	Pathways	tonnes	%
	Used	N/A	N/A
	Created	N/A	N/A
	Contained in Product	N/A	N/A
	On-Site Releases to Air	N/A	N/A
	On-Site Releases to Water	N/A	N/A
	On-Site Releases to Land	N/A	N/A
	Disposal On-Site	N/A	N/A
	Disposal Off-Site	N/A	N/A
	Transfer Off-Site for Recycling	N/A	N/A
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	Phosphorus (total)
CAS #	NA - 22
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	<p>While Owens Corning Insulating Systems Canada LP does not intend to reduce the use of phosphorus, the plan was developed with the following objectives:</p> <ul style="list-style-type: none"> • we will continue to operate in full compliance with all applicable environmental regulations; and • we will continue to minimize releases of phosphorus through current and future pollution prevention and best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	10 to 100	10 to 100	-1 to -10	-9.6%
C - Created	-	-	-	-
P - In a product that leaves the process	10 to 100	10 to 100	-1 to -10	-9.5%
Summary of reasons for changes between current year and previous year	N/A - Quantities are approximately the same (i.e., <10%)			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	Selenium (and its compounds)
CAS #	NA - 12
Report Date:	1-Jun-17
Plan Date:	19-Dec-12
Plan Objectives and Targets	Our goal is to reduce selenium used at our facility and to further minimize the potential for losses through continuous improvements and our commitment to best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	kg	kg		
U - Enters the Process (Raw Materials)	100 to 1,000	100 to 1,000	1 to 10	8.8%
C - Created	-	-	-	-
P - In a product that leaves the process	10 to 100	10 to 100	10 to 100	29.0%
Summary of reasons for changes between current year and previous year	U: N/A - Quantities are approximately the same (i.e., <10%) P: Change in production levels			

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>

Progress In Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan.	N/A - reduction option completed in previous reporting year.		
Summary of the toxics reductions achieved as a result of the steps taken.	Pathways	tonnes	%
	Used	N/A	N/A
	Created	N/A	N/A
	Contained in Product	N/A	N/A
	On-Site Releases to Air	N/A	N/A
	On-Site Releases to Water	N/A	N/A
	On-Site Releases to Land	N/A	N/A
	Disposal On-Site	N/A	N/A
	Disposal Off-Site	N/A	N/A
	Transfer Off-Site for Recycling	N/A	N/A
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	Carbon Monoxide
CAS #	630-08-0
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	Our goal is to reduce carbon monoxide used at our facility and to further minimize the potential for losses through continuous improvements and our commitment to best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	-	-	-	-
C - Created	10 to 100	10 to 100	-10 to -100	-18%
P - In a product that leaves the process	-	-	-	-
Summary of reasons for changes between current year and previous year	Furnace rebuild			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	Total PM
CAS #	NA - M08
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	<p>While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives:</p> <ul style="list-style-type: none"> • we will continue to operate in full compliance with all applicable environmental regulations; and • we will continue to minimize releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	-	-	-	-
C - Created	10 to 100	100 to 1,000	-10 to -100	-24%
P - In a product that leaves the process	-	-	-	-
Summary of reasons for changes between current year and previous year	Furnace rebuild			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	PM10
CAS #	NA - M09
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	<p>While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives:</p> <ul style="list-style-type: none"> • we will continue to operate in full compliance with all applicable environmental regulations; and • we will continue to minimize releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	-	-	-	-
C - Created	10 to 100	100 to 1,000	-10 to -100	-25%
P - In a product that leaves the process	-	-	-	-
Summary of reasons for changes between current year and previous year	Furnace rebuild			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	PM2.5
CAS #	NA - M10
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	<p>While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of Particulate Matter (PM, PM10 & PM2.5), the plan was developed with the following objectives:</p> <ul style="list-style-type: none"> • we will continue to operate in full compliance with all applicable environmental regulations; and • we will continue to minimize releases of Particulate Matter (PM, PM10 & PM2.5) through current and future pollution prevention and best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	-	-	-	-
C - Created	10 to 100	100 to 1,000	-10 to -100	-22.9%
P - In a product that leaves the process	-	-	-	-
Summary of reasons for changes between current year and previous year	Furnace rebuild			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	Chromium (and its compounds)
CAS #	NA - 04
Report Date:	1-Jun-17
Plan Date:	19-Dec-12
Plan Objectives and Targets	Our goal is to reduce chromium used at our facility and to further minimize the potential for losses through continuous improvements and our commitment to best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>1 to 10	10 to 100	-10 to -100	-99.2%
C - Created	-	-	-	-
P - In a product that leaves the process	>1 to 10	10 to 100	-10 to -100	-99.2%
Summary of reasons for changes between current year and previous year	Greater quantity of substance contained in articles			

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>

Progress In Implementing Plan

Summary of steps taken during the previous calendar year to implement the plan.	N/A - reduction option completed in previous reporting year.		
Summary of the toxics reductions achieved as a result of the steps taken.	Pathways	tonnes	%
	Used	N/A	N/A
	Created	N/A	N/A
	Contained in Product	N/A	N/A
	On-Site Releases to Air	N/A	N/A
	On-Site Releases to Water	N/A	N/A
	On-Site Releases to Land	N/A	N/A
	Disposal On-Site	N/A	N/A
	Disposal Off-Site	N/A	N/A
	Transfer Off-Site for Recycling	N/A	N/A
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	(Ethanol) Ethyl alcohol
CAS #	64-17-5
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	<p>While Owens Corning Insulating Systems Canada LP does not intend to reduce the creation of ethanol, the plan was developed with the following objectives:</p> <ul style="list-style-type: none"> • we will continue to operate in full compliance with all applicable environmental regulations; and • we will continue to minimize releases of ethanol through current and future pollution prevention and best management practices

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	-	-	-	-
C - Created	>1 to 10	>1 to 10	->1 to -10	-23.6%
P - In a product that leaves the process	-	-	-	-
Summary of reasons for changes between current year and previous year	Variation in annual production levels.			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	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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Substance Information and Plan Objective

Substance Name	Ethyl acetate
CAS #	141-78-6
Report Date:	1-Jun-17
Plan Date:	19-Dec-13
Plan Objectives and Targets	Our goal is to reduce ethyl acetate use/creation at our facility and to further minimize the potential for losses through continuous improvements and our commitment to best management practices.

Toxics Substance Accounting and Comparison

Pathways	2016	2015	Delta	Delta %
Units reported	tonnes	tonnes		
U - Enters the Process (Raw Materials)	>1 to 10	>1 to 10	->1 to -10	-93.8%
C - Created	-	-	-	-
P - In a product that leaves the process	-	-	-	-
Summary of reasons for changes between current year and previous year	Phasing out of ink containing ethyl acetate			

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>

Progress In Implementing Plan

Summary of the steps taken during the previous calendar year to implement the plan and a summary of the toxics reductions achieved as a result of the steps taken.	None.
Summary of additional actions taken during the previous calendar year that impacted the toxic, and a summary of the steps and toxics reductions achieved as a result of those actions.	None.
Summary of differences between steps taken and those set out in the plan.	None.
Description of amendments to the plan.	None.