



# National Pollutant Release Inventory (NPRI) and Partners



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## Report Preview

### Report Details

Report Year	2016
Report Type:	NPRI,ON MOE TRA
Report Status:	Update 1 - Submitted
Modified Date/Time:	30/04/2018 3:36 PM
Report Update Comments:	As per requests from Catherine Siew

### Company and Facility Details

Company Name:	Polyone Canada Inc.
Business Number:	898451794
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 17 Tideman Drive City, Province/Territory, Postal Code: Orangeville Ontario L9W3K3 Country: Canada
Facility Name:	Orangeville Plasticizer
NAICS Code:	326198
NPRI ID:	2277
Physical Address:	Address Line 1: 15 Tideman Drive City, Province/Territory, Postal Code: Orangeville Ontario L9W3K3 Country: Canada Latitude: 43.9133 Longitude: -80.1158

### Contacts Details

Contact Type	Technical Contact, Company Coordinator, Public Contact, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Brian Greer
Position:	EHS Manager
Telephone:	5192150535
Email:	brian.greer@polyone.com
Contact Type	Certifying Official
Name:	Darryl Chartrand
Position:	Senior Air Quality Technologist
Telephone:	4164999000

Extension: 73642

Fax: 4164994687

Email: darryl.chartrand@ch2m.com

Contact Type: Highest Ranking Employee

Name: Robert Greenop

Position: Plant Manager

Telephone: 5199385865

Email: robert.greenop@polyone.com

Mailing Address: Address Line 1:  
City, Province/Territory, Postal Code: None  
Country: None

Contact Type: Person who prepared the report

Name: Najat Kamal

Position: EHSQ specialist

Telephone: 5148089920

Email: najat.kamal@polyone.com

Mailing Address: Delivery Mode: GeneralDelivery  
Address Line 1:  
City, Province/Territory, Postal Code: None  
Country: None

## General Information

Number of employees: 16

Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: None of the above

Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene: None of the above

Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs): Wood preservation using creosote: No

Is this the first time the facility is reporting to the NPRI (under current or past ownership): No

Is the facility controlled by another Canadian company or companies: No

Did the facility report under other environmental regulations or permits: No

Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants): No

Operating Schedule - Days of the Week: Mon, Tue, Wed, Thu, Fri

Usual Number of Operating Hours per day: 24

Usual Daily Start Time (24h) (hh:mm): 07:00

## Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
103-23-1	Bis(2-ethylhexyl) adipate	0.0000	N/A	N/A	N/A	tonnes
117-81-7	Bis(2-ethylhexyl) phthalate	0.0001	N/A	N/A	N/A	tonnes
85-44-9	Phthalic anhydride	N/A	N/A	N/A	N/A	tonnes

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
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## Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
103-23-1	Bis(2-ethylhexyl) adipate	Yes	Yes		Yes
117-81-7	Bis(2-ethylhexyl) phthalate	Yes	Yes		No
85-44-9	Phthalic anhydride	Yes	Yes		No

## General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
103-23-1	Bis(2-ethylhexyl) adipate	Yes	Yes	No
117-81-7	Bis(2-ethylhexyl) phthalate	Yes	Yes	No
85-44-9	Phthalic anhydride	No	No	No

## General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
103-23-1	Bis(2-ethylhexyl) adipate	No	No	No
117-81-7	Bis(2-ethylhexyl) phthalate	No	No	No
85-44-9	Phthalic anhydride	No	No	No

## General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
103-23-1	Bis(2-ethylhexyl) adipate	For sale/distribution	As a formulation component	As a by-product
117-81-7	Bis(2-ethylhexyl) phthalate	For sale/distribution	As a formulation component	As a by-product
85-44-9	Phthalic anhydride	As a by-product	As a reactant	As a by-product

## TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
103-23-1	Bis(2-ethylhexyl) adipate	Use	0.000 tonnes	Yes
103-23-1	Bis(2-ethylhexyl) adipate	Creation	27.159 tonnes	Yes
103-23-1	Bis(2-ethylhexyl) adipate	Contained in Product	27.159 tonnes	Yes
117-81-7	Bis(2-ethylhexyl) phthalate	Use	0.000 tonnes	Yes
117-81-7	Bis(2-ethylhexyl) phthalate	Creation	0.104 tonnes	Yes
117-81-7	Bis(2-ethylhexyl) phthalate	Contained in Product	0.104 tonnes	Yes
85-44-9	Phthalic anhydride	Use	4228.7 tonnes	Yes
85-44-9	Phthalic anhydride	Creation	0.000 tonnes	Yes
85-44-9	Phthalic anhydride	Contained in Product	4228.7 tonnes	Yes

## TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
103-23-1	Bis(2-ethylhexyl) adipate					No
117-81-7	Bis(2-ethylhexyl) phthalate					No
85-44-9	Phthalic anhydride					No

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
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### Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
103-23-1	Bis(2-ethylhexyl) adipate	Total Quantity Released	O - Engineering Estimates		0.0000 tonnes
117-81-7	Bis(2-ethylhexyl) phthalate	Total Quantity Released	O - Engineering Estimates		0.0001 tonnes

### On-site Releases - Quarterly Breakdown of Annual Releases

CAS RN	Substance Name	Quarter 1	Quarter 2	Quarter 3	Quarter 4
117-81-7	Bis(2-ethylhexyl) phthalate	25	25	25	25

### On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
103-23-1	Bis(2-ethylhexyl) adipate	No significant change (i.e. < 10%) or no change	
117-81-7	Bis(2-ethylhexyl) phthalate	No significant change (i.e. < 10%) or no change	
85-44-9	Phthalic anhydride	No significant change (i.e. < 10%) or no change	

### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
103-23-1	Bis(2-ethylhexyl) adipate		No significant change (i.e. < 10%) or no change	
117-81-7	Bis(2-ethylhexyl) phthalate		No significant change (i.e. < 10%) or no change	
85-44-9	Phthalic anhydride		No significant change (i.e. < 10%) or no change	

### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
103-23-1	Bis(2-ethylhexyl) adipate		No significant change (i.e. < 10%) or no change	
117-81-7	Bis(2-ethylhexyl) phthalate		No significant change (i.e. < 10%) or no change	
85-44-9	Phthalic anhydride		No significant change (i.e. < 10%) or no change	

### Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
117-81-7	Bis(2-ethylhexyl) phthalate	No	Enters the facility (Use)	0.000 tonnes	0.000 tonnes	2015	0.000	
117-81-7	Bis(2-ethylhexyl) phthalate	No	Creation	0.104 tonnes	52.387 tonnes	2015	-52.283	-99.80
117-81-7	Bis(2-ethylhexyl) phthalate	No	Contained in Product	0.104 tonnes	52.387 tonnes	2015	-52.283	-99.80
85-44-9	Phthalic anhydride	No	Enters the facility (Use)	4228.7 tonnes	417.417 tonnes	2015	3811.283	913.06
85-44-9	Phthalic anhydride	No	Creation	0.000 tonnes	0.000 tonnes	2015	0.000	
85-44-9	Phthalic anhydride	No	Contained in Product	4228.7 tonnes	417.417 tonnes	2015	3811.283	913.06

### Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
117-81-7	Bis(2-ethylhexyl) phthalate	Decrease in production levels Implementation of actions outside of toxics reduction plan	
85-44-9	Phthalic anhydride	Increase in production levels	

### Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
117-81-7	Bis(2-ethylhexyl) phthalate	No	Total Releases to Air	0 tonnes				

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
117-81-7	Bis(2-ethylhexyl) phthalate	No	Total Releases to Water	0 tonnes				
117-81-7	Bis(2-ethylhexyl) phthalate	No	Total Releases to Land	0 tonnes				
117-81-7	Bis(2-ethylhexyl) phthalate	No	Total Releases to All Media	0.0001 tonnes	0.0000 tonnes	2015	0.0001	100

### Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
117-81-7	Bis(2-ethylhexyl) phthalate	No reasons - quantities approximately the same	

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

Did the facility complete any pollution prevention activities in the current NPRI reporting year

No

### Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
117-81-7	Bis(2-ethylhexyl) phthalate	Polyone will strive to reduce the use of this substance at the facility. Further, this plan will determine the technical, economic and business impact feasibility of each option to determine which, if any, are viable for implementation.
85-44-9	Phthalic anhydride	PolyOne will strive to reduce the use of PA at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.

### Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
117-81-7	Bis(2-ethylhexyl) phthalate	No quantity target	No timeline target	PolyOne does not intend to commit to any specific targets or options at this time. However, PolyOne Corporate staff and scientists continue research and development efforts to find technologically and economically viable substitutions that are consistent with clients and market specifications.
85-44-9	Phthalic anhydride	No quantity target	No timeline target	PolyOne does not intend to commit to any specific targets or options at this time. However, PolyOne Corporate staff and scientists continue research and development efforts to find technologically and economically viable substitutions for PA compounds that are consistent with client and market specifications.

### Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
117-81-7	Bis(2-ethylhexyl) phthalate	No quantity target	No timeline target	
85-44-9	Phthalic anhydride	No quantity target	No timeline target	

### Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
117-81-7	Bis(2-ethylhexyl) phthalate	Yes	Bis (2-ethylhexyl) Phtalate (DEHP) is a plasticizer and is currently used by PolyOne as a formulation component in the manufacturing of pelletized plastic compounds, mostly for use in the manufacture of wire and cable insulation (wire jackets). We intend to reduce the use of this substance at the facility.	Bis (2-ethylhexyl) Phtalate (DEHP) is a plasticizer and is currently used by PolyOne as a formulation component in the manufacturing of pelletized plastic compounds, mostly for use in the manufacture of wire and cable insulation (wire jackets). We intend to reduce the use of this substance at the facility.
85-44-9	Phthalic anhydride	Yes	Bis (2-ethylhexyl) Adipate (DEHA) is a plasticizer and is currently used by PolyOne as a formulation component in the manufacturing of pelleted plastic compounds, mostly for use in the manufacture of PVC-based plastic wrap. We intend to reduce the use of this substance at the facility.	Bis (2-ethylhexyl) Adipate (DEHA) is a plasticizer and is currently used by PolyOne as a formulation component in the manufacturing of pelleted plastic compounds, mostly for use in the manufacture of PVC-based plastic wrap. We intend to reduce the use of this substance at the facility.

### Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
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CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	No Amount
117-81-7	Bis(2-ethylhexyl) phthalate	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	No Amount
85-44-9	Phthalic anhydride	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	No Amount

## Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
117-81-7	Bis(2-ethylhexyl) phthalate	No		
85-44-9	Phthalic anhydride	No		

## Report Submission and Electronic Certification

### NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Polyone Canada Inc.

Certifying Official (or authorized delegate)

Darryl Chartrand

Report Submitted by

Najat Kamal

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

## ON MOE TRA - Electronic Certification Statement

### Annual Report Certification Statement

As of 30/04/2018, I, Robert Greenop, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

#### TRA Substance List

CAS RN	Substance Name
103-23-1	Bis(2-ethylhexyl) adipate
117-81-7	Bis(2-ethylhexyl) phthalate
85-44-9	Phthalic anhydride

#### Company Name

Polyone Canada Inc.

#### Highest Ranking Employee

Robert Greenop

#### Report Submitted by

Najat Kamal

#### Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

### Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2016	30/04/2018	Orangeville Plasticizer	Ontario	Orangeville	NPRI, ON MOE TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.13.0

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