



**Rohm and Haas Canada LP,  
a wholly owned subsidiary of  
The Dow Chemical Company  
Toxics Reduction Act  
Public Annual Summary Report  
Reporting Year 2015**

Issue Date: 09-Jun-2016

<b>Purpose</b>	Rohm and Haas Canada LP, a wholly owned subsidiary of The Dow Chemical Company is regulated under the Toxics Reduction Act, 2009 and Ontario Regulation 455/09. The act and regulation require that a summary of data submitted to the Ontario Ministry of the Environment under the Act is made public.	
<b>NPRI Identification Number</b>	2065	
<b>MOE O.Reg 127/01 Identification Number</b>	n/a	
<b>Legal Name and Facility Address of the Owner and Operator of the facility</b>	Rohm and Haas Canada LP 2 Manse Road Toronto, ON M1E 3T9	
<b>Mailing Address</b>	Same as Facility Address	
<b>Number of Full-Time Employees</b>	73	
<b>North American Industry Classification System (NAICS) 2, 4 and 6 digit code</b>	31-33 - Manufacturing 3255 - Paint, Coating and Adhesive Manufacturing 325510 - Paint and Coating Manufacturing	
<b>Public Contact</b>	Shawna M. Bruce Public Affairs Manager Phone: 780.998.8445 Email: smbruce@dow.com	
<b>UTM Coordinates</b>	Easting: 647152 Northing: 4846708 Zone: 17T	
<b>Legal Canadian Parent Company</b>	3243425 Nova Scotia Company 100% Ownership 2 Manse Road Toronto, ON M1E 3T9	
<b>Name of all toxic substances for which plans are required to be prepared</b>	Acrylic Acid (and its salts) Acrylonitrile Acrylamide Ammonia Butyl acrylate Ethyl acrylate Ethylene Glycol	Methyl methacrylate Methylolacrylamide Octylphenol ethoxylates Styrene Sulphuric Acid Zinc (and its compounds)

**Acrylic Acid**

<b>Substance Name</b>	Acrylic Acid (and its salts)
<b>CAS Number</b>	79-10-7

**Date of Toxic Reduction Plan**

18-December-2013

**Reduction Objective and Target**

A reduction of the use and creation of Acrylic Acid and its salts as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness**

Not applicable.

**Amendments**

There have been no amendments to the plan in the reporting period.

**Substance Accounting**

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit:</b>	<b>Unit:</b>	<b>Unit:</b>
	<b>[Tonnes]</b>	<b>[Tonnes]</b>	<b>[%]</b>
Amount that entered the facility as the substance itself or as a constituent of another substance	100 – 1000	100 – 1000	-18.3
Amount of the substance that was created	1-10	1-10	-40.3
Amount contained in product	0-1	0-1	-34.8
Total Quantity Released (All Media)	0.003	0.004	-25
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	4.615	7.726	-40.3
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review**

Not applicable.

**Acrylonitrile**

<b>Substance Name</b>	Acrylonitrile
<b>CAS Number</b>	107-13-1

**Date of Toxic Reduction Plan**

18-December-2013

**Reduction Objective and Target**

A reduction of the use of Acrylonitrile, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

Substance Accounting	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Amount that entered the facility as the substance itself or as a constituent of another substance	1,000 – 10,000	1,000 – 10,000	37.1
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	-38.3
Total Quantity Released (All Media)	0.384	0.756	-49.2
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.205	0.130	57.7
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** Not applicable.

**Acrylamide**

<b>Substance Name</b>	Acrylamide
<b>CAS Number</b>	79-06-1

**Date of Toxic Reduction Plan** 17-December-2012

**Reduction Objective and Target** A further reduction of Acrylamide emissions and disposals at this point is not technically feasible but we remain committed to evaluate new technologies as they become available.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

**Substance Accounting**

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit:</b> [Tonnes]	<b>Unit:</b> [Tonnes]	<b>Unit:</b> [%]
Amount that entered the facility as the substance itself or as a constituent of another substance	10 – 100	10 – 100	-9.7
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	0
Total Quantity Released (All Media)	0.0001	0.0001	0
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.039	0.037	5.4
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review**

Not applicable.

**Ammonia**

<b>Substance Name</b>	Ammonia (total)
<b>CAS Number</b>	no single CAS RN applies to this substance

**Date of Toxic Reduction Plan**

18-December-2013

**Reduction Objective and Target**

A further reduction of Ammonia usage as well as a reduction of emissions and transfers at this point is not technically or economically feasible but we remain committed to evaluate new technologies as they become available.

**Description of Steps and Effectiveness**

Not applicable.

**Amendments**

There have been no amendments to the plan in the reporting period.

**Substance Accounting**

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit:</b> [Tonnes]	<b>Unit:</b> [Tonnes]	<b>Unit:</b> [%]
Amount that entered the facility as the substance itself or as a constituent of another substance	100 – 1000	100 – 1000	3.9
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	100 – 1000	100 – 1000	3.7

Substance Accounting Cont'd	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Total Quantity Released (All Media)	1.899	1.833	3.6
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	1.240	1.139	8.9
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** Not applicable.

**Butyl acrylate**

<b>Substance Name</b>	Butyl acrylate
<b>CAS Number</b>	141-32-2

**Date of Toxic Reduction Plan** 18-December-2013

**Reduction Objective and Target** A reduction of the use of Butyl acrylate, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

Substance Accounting	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Amount that entered the facility as the substance itself or as a constituent of another substance	10,000 – 100,000	10,000 – 100,000	4.3
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	1 – 10	1 – 10	-5.2
Total Quantity Released (All Media)	0.435	0.240	-44.9
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.031	0.021	45.7
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** Not applicable.

**Ethyl acrylate**

<b>Substance Name</b>	Ethyl acrylate
<b>CAS Number</b>	140-88-5

**Date of Toxic Reduction Plan**

18-December-2013

**Reduction Objective and Target**

A reduction of the use of Ethyl acrylate, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness**

Not applicable.

**Amendments**

There have been no amendments to the plan in the reporting period.

**Substance Accounting**

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit:</b>	<b>Unit:</b>	<b>Unit:</b>
	<b>[Tonnes]</b>	<b>[Tonnes]</b>	<b>[%]</b>
Amount that entered the facility as the substance itself or as a constituent of another substance	1,000 – 10,000	1,000 – 10,000	-10.9
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	-1.2
Total Quantity Released (All Media)	0.072	0.081	-11.0
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.014	0.011	27.3
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review**

Not applicable.

**Ethylene Glycol**

<b>Substance Name</b>	Ethylene Glycol
<b>CAS Number</b>	107-21-1

**Date of Toxic Reduction Plan**

7-December-2015

**Reduction Objective and Target**

A reduction of Ethylene glycol usage at this point is not technically or economically feasible.

**Description of Steps and Effectiveness**

Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

Substance Accounting	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Amount that entered the facility as the substance itself or as a constituent of another substance	10 – 100	10 – 100	6.05
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	10 – 100	10 – 100	4.7
Total Quantity Released (All Media)	0.000	0.000	0
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.130	0.119	9.2
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** Not applicable.

<b>Methyl methacrylate</b>	<b>Substance Name</b>	Methyl methacrylate
	<b>CAS Number</b>	80-62-6

**Date of Toxic Reduction Plan** 18-December-2013

**Reduction Objective and Target** A reduction of the use of Methyl methacrylate, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

Substance Accounting	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Amount that entered the facility as the substance itself or as a constituent of another substance	10,000 – 100,000	1,000 – 10,000	3.1
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	-57.1

**Substance Accounting**

Cont'd

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit: [Tonnes]</b>	<b>Unit: [Tonnes]</b>	<b>Unit: [%]</b>
Total Quantity Released (All Media)	0.120	0.236	-49.1
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.016	0.012	33.3
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review**

Not applicable.

**Methylol acrylamide**

<b>Substance Name</b>	N-Methylolacrylamide
<b>CAS Number</b>	924-42-5

**Date of Toxic Reduction Plan**

18-December-2013

**Reduction Objective and Target**

A reduction of the use of n-Methylolacrylamide, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness**

Not applicable.

**Amendments**

There have been no amendments to the plan in the reporting period.

**Substance Accounting**

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit: [Tonnes]</b>	<b>Unit: [Tonnes]</b>	<b>Unit: [%]</b>
Amount that entered the facility as the substance itself or as a constituent of another substance	10 – 100	10 – 100	23.4
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	-4.0
Total Quantity Released (All Media)	0.000	0.000	0
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.000	0.000	0
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review**

Not applicable.



**Octylphenol and its ethoxylates**

<b>Substance Name</b>	Octylphenol and its ethoxylates
<b>CAS Number</b>	no single CAS RN applies to this substance

**Date of Toxic Reduction Plan** 18-December-2013

**Reduction Objective and Target** A reduction of the use of Octylphenol and its ethoxylates, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

<b>Substance Accounting</b>	<b>2015</b>	<b>2014</b>	<b>Year over Year change</b>
<b>On a facility basis:</b>	<b>Unit:</b>	<b>Unit:</b>	<b>Unit:</b>
	<b>[Tonnes]</b>	<b>[Tonnes]</b>	<b>[%]</b>
Amount that entered the facility as the substance itself or as a constituent of another substance	100 – 1,000	100 – 1,000	-15.5
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	100 – 1,000	100 – 1,000	-11.4
Total Quantity Released (All Media)	0.000	0.000	0
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.978	0.866	12.9
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** Not applicable.

**Styrene**

<b>Substance Name</b>	Styrene
<b>CAS Number</b>	100-42-5

**Date of Toxic Reduction Plan** 18-December-2013

**Reduction Objective and Target** A reduction of the use of Styrene, as well as a reduction of emissions, transfer and disposal is not targeted at this point.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

Substance Accounting	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Amount that entered the facility as the substance itself or as a constituent of another substance	1,000 – 10,000	1,000 – 10,000	2.3
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	-35.6
Total Quantity Released (All Media)	1.677	2.079	-19.4
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.072	0.082	-12.2
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** Not applicable.

**Sulphuric acid**

<b>Substance Name</b>	Sulphuric acid
<b>CAS Number</b>	7664-93-9

**Date of Toxic Reduction Plan** 18-December-2012

**Reduction Objective and Target** Through our commitment to Responsible Care®, Rohm and Haas Canada LP is committed to continuously improve our operations. We intend to reduce Sulfuric Acid usage by improving utility usage of our process.

We are targeting a reduction of 1,800 kg of Sulfuric Acid by reducing the amount of deionized water used in the manufacturing process.

**Description of Steps and Effectiveness** Activity: Reduce deionized water usage.  
 Quote from mechanical contractor was obtained for the installation.

**Amendments** There have been no amendments to the plan in the reporting period.

Substance Accounting	2015	2014	Year over Year change
	Unit: [Tonnes]	Unit: [Tonnes]	Unit: [%]
<b>On a facility basis:</b>			
Amount that entered the facility as the substance itself or as a constituent of another substance	10 – 100	10 – 100	16.1
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	0 – 1	0 – 1	0
Total Quantity Released (All Media)	0.0004	0.0004	0
Off-site Transfer for Disposal	0.000	0.000	0
Off-site Transfer for Treatment	0.000	0.000	0
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review** The plan targeted the engineering changes to be implemented in 2014. Changes will now be implemented in 2016 due to budget restrains in 2015. The implementation of the change has no impact on the quantity of emissions of Sulphuric Acid from the site but will reduce usage.

<b>Zinc (and its compounds)</b>	<b>Substance Name</b>	Zinc (and its compounds)
	<b>CAS Number</b>	no single CAS RN applies to this substance

**Date of Toxic Reduction Plan** 17-December-2012

**Reduction Objective and Target** A further reduction of Zinc emissions and disposals at this point is not feasible but we remain committed to evaluate new technologies as they become available.

**Description of Steps and Effectiveness** Not applicable.

**Amendments** There have been no amendments to the plan in the reporting period.

**Substance Accounting**

	2015	2014	Year over Year change
<b>On a facility basis:</b>	<b>Unit:</b>	<b>Unit:</b>	<b>Unit:</b>
	<b>[Tonnes]</b>	<b>[Tonnes]</b>	<b>[%]</b>
Amount that entered the facility as the substance itself or as a constituent of another substance	100 – 1000	100 – 1000	3.0
Amount of the substance that was created	0 – 1	0 – 1	0
Amount contained in product	100 – 1000	100 – 1000	2.3
Total Quantity Released (All Media)	0.000	0.000	0
Off-site Transfer for Disposal	0.013	0.013	0
Off-site Transfer for Treatment	0.108	0.081	32.7
Off-site Transfer for Recycling	0.000	0.000	0

**Progress Review**

Not applicable.

**Annual Report Certification Statement**

As of June 09, 2016, I certify that I have read the report on the toxic substance reduction plan for Acrylic Acid (and its salts); Acrylonitrile; Acrylamide; Ammonia (total); Butyl acrylate; Ethyl acrylate; Ethylene Glycol; Methyl methacrylate; Methylol acrylamide; Octylphenol ethoxylates; Styrene; Sulphuric Acid and Zinc (and its compounds) and am familiar with their contents and to my knowledge the information contained in the report is factually accurate and the report complies with the Toxic Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

Greg Johnston (original signature on file)  
 Greg Johnston, Site Leader, Rohm and Haas Canada LP

09-June-2016  
 Date