



The Sherwin-Williams Company
224 Catherine Street
Fort Erie, Ontario, Canada L2A 5M9

Ontario's Toxic Reduction Act
Annual Public Reporting Information
June 2018 Update

Facility Details

Facility Name:	The Sherwin-Williams Company
Address:	224 Catherine Street, Fort Erie, On L2A 0B1
NPRI Identification Number:	1931
Two Digit NAICS Code:	32 Manufacturing
Four Digit NAICS Code:	3255 Paints, Coatings and Adhesives
Six Digit NAICS Code:	325510 - Paint and Coating Manufacturing
Full Time Employees:	48
UTM Spatial Co-ordinates:	(E) 668902; (N) 4753731; (42.9175; -78.9306)

Public Contact at Facility

Name:	Dave Macdonald
Position:	Plant Manager
Address:	224 Catherine Street, Fort Erie, On L2A 5M9
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Reported NPRI Toxic Chemicals

Facility Process Description

The facility produces paints, varnishes, stains, lacquers and related products through a batch mixing and blending process. The facility also includes a training centre for demonstration of paint application technology.

Substance Information

The substances listed in the table below exceed a certain processing or emission threshold and are used in manufacturing solvent based paints, thinners, lacquers and stains. These materials are stored on site in bulk storage tanks and containers.

Toxic Substance Accounting – Reportable Chemicals: 2016 - 2017

Report Year	Chemical	CAS	On-Site Release (Air Emissions)	Off-Site Transfer for Treatment	Off Site Transfer for Recycling – Solvent Recovery	Used	Created	Contained in Products
			tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
2016	Xylene	1330-20-7	1.3	0.413	3.225	>100 to 1000	0	>100 to 1000
2017	Xylene	1330-20-7	0.89	0.460	8.401	>100 to 1000	0	>100 to 1000
Difference as %			-31.22%	11.28%	160.5%	-8.43%		-9.60%
2016	Ethylbenzene	100-41-4	0.265	0.073	0.568	>10 to 100	0	>10 to 100
2017	Ethylbenzene	100-41-4	0.181	0.082	1.480	>10 to 100	0	>10 to 100
Difference as %			-31.70%	12.47%	160.56%	-8.14%		-9.28%
2016	Toluene	108-88-3	5.228	0.377	3.103	>100 to 1000	0	>100 to 1000
2017	Toluene	108-88-3	5.230	0.467	8.114	>100 to 1000	0	>100 to 1000
Difference as %			0.04%	23.87%	161.49%	1.31%		0.1%
2016	1,2,4-Trimethylbenzene	95-63-6	0.02	0.024	0.113	> 10 to 100	0	> 10 to 100
2017	1,2,4-Trimethylbenzene	95-63-6	0.02	0.029	0.297	> 10 to 100	0	> 10 to 100
Difference as %			0%	19.42%	162.83%	-2.15%		-3.57%
2016	2-Butoxyethanol	111-76-2	0.013	0.344	0.017	>10 to 100	0	>10 to 100
2017	2-Butoxyethanol	111-76-2	0.011	0.078	0.046	>10 to 100	0	>10 to 100
Difference as %			-15.38%	-77.47%	170.59%	-2.39%		-2.06%
2016	i-butyl Alcohol	78-83-1	1.295	0.159	0.050	>100 to 1000	0	>100 to 1000
2017	i-butyl Alcohol	78-83-1	1.468	0.216	0.130	>100 to 1000	0	>100 to 1000
Difference as %			13.36%	36.11%	160%	13.80%		13.73%
2016	Dibutyl Phthalate	84-74-2	0.000	0.040	0.013	>10 to 100	0	>10 to 100
2017	Dibutyl Phthalate	84-74-2	0.000	0.049	0.030	>10 to 100	0	>10 to 100
Difference as %			0%	21.89%	138.1%	2.94%		2.88%
2016	Acetone	67-64-1	36.941	N/A	N/A	> 100 to 1000	0	>100 to 1000
2017	Acetone	67-64-1	38.861	N/A	N/A	> 100 to 1000	0	>100 to 1000
Difference as %			5.20%			3.55%		
2016	N-Hexane	110-54-3	7.509	0.061	0.018	> 10 to 100	0	> 10 to 100
2017	N-Hexane	110-54-3	6.667	0.136	0.081	> 100 to 1000	0	> 100 to 1000
Difference as %			-11.21%	121.86%	355.06%	88.19%		100.88%
2016	Isopropyl alcohol	67-63-0	6.392	0.625	0.516	>100 to 1000	0	>100 to 1000
2017	Isopropyl alcohol	67-63-0	7.614	0.811	1.366	>100 to 1000	0	>100 to 1000

Difference as %			19.12%	29.76%	164.73%	9.42%		9.20%
2016	Methanol	67-56-1	0.889	0.771	0.422	> 10 to 100	0	> 10 to 100
2017	Methanol	67-56-1	0.592	0.049	1.108	> 10 to 100	0	> 10 to 100
Difference as %			-33.41%	-93.65%	162.56%	-24.82%		-25.14%
2016	Methyl Ethyl Ketone	78-93-3	3.998	0.140	1.812	>100 to 1000	0	>100 to 1000
2017	Methyl Ethyl Ketone	78-93-3	5.086	0.198	4.755	>100 to 1000	0	>100 to 1000
Difference as %			27.21%	41.83%	162.42%	18.80%		16.88%
2016	Methyl Isobutyl Ketone	108-10-1	0.447	0.062	0.186	>10 to 100	0	>10 to 100
2017	Methyl Isobutyl Ketone	108-10-1	0.469	0.075	0.485	>10 to 100	0	>10 to 100
Difference as %			4.92%	20.97%	160.75%	-6.37%		-6.90%
2016	N-Butyl Alcohol	71-36-3	0.94	0.570	0.394	>100 to 1000	0	>100 to 1000
2017	N-Butyl Alcohol	71-36-3	1.04	0.712	1.027	>100 to 1000	0	>100 to 1000
Difference as %			10.71%	24.91%	160.66%	4.30%		4.17%
2016	Sulfuric Acid	7664-93-9	0.000	0.017	0.005	>10 to 100	0	>10 to 100
2017	Sulfuric Acid	7664-93-9	0.000	0.022	0.013	>10 to 100	0	>10 to 100
Difference as %			0%	30.95%	169.39%	12.36%		12.29%
2016	N-Butyl Acetate	123-86-4	9.861	N/A	N/A	>1000 to 10000	0	>1000 to 10000
2017	N-Butyl Acetate	123-86-4	10.763	N/A	N/A	>1000 to 10000	0	>1000 to 10000
Difference as %			9.15%			3.25%		
2016	Ethyl Acetate	141-78-6	5.511	N/A	N/A	>100 to 1000	0	>100 to 1000
2017	Ethyl Acetate	141-78-6	5.576	N/A	N/A	>100 to 1000	0	>100 to 1000
Difference as %			1.18%			-8.12%		
2016	Ethanol	64-17-5	8.879	N/A	N/A	>100 to 1000	0	>100 to 1000
2017	Ethanol	64-17-5	10.351	N/A	N/A	>100 to 1000	0	>100 to 1000
Difference as %			16.58%			14.44%		
			kg	kg	kg	kg	kg	kg
2016	Cobalt (and compounds)	NA-05	0.0039	0.243	0.071	>100 to 1000	0	>100 to 1000
2017	Cobalt (and compounds)	NA-05	0.0041	0.304	0.182	>100 to 1000	0	>100 to 1000
Difference as %			5.13%	24.82%	158.36%	4.93%		4.79%
2016	Nonylphenol and its ethoxylates	NA-20	0	72.88	0	>100 to 1000	0	>100 to 1000
2017	Nonylphenol and its ethoxylates	NA-20	0	13.39	0	>100 to 1000	0	>100 to 1000
Difference as %			0	-81.63%	0	-71.00%		-70.53%

Explanation of change in quantification of results:

Usage of certain materials increased due to increases in production demand for formulas with those materials. Offsite transfers increased in 2017. Facility continued to pursue opportunities to convert unused material into useful products for sale.

Objectives and Targets:

Continue to pursue opportunities to replace toxic substances in product formulation with less hazardous materials. Continue to pursue process improvements that will result in reductions in the quantity of toxic substances used, released, transferred or disposed of from the facility.

Toxic Reduction Plan Progress:

No use quantity or timeline targets established. No additional actions implemented. The TRA Plan was amended to include newly reportable chemicals.