

Ontario Toxics Reduction Act- Annual Public Report

Reporting Year 2017

Militex Coatings Inc.

BASIC COMPANY INFORMATION

National Pollutant Release Inventory (NPRI) ID: 10975

NAICS ID:

2 digit: 33- Manufacturing

4 digit: 3328 – Coating, Engraving, Heat Treating & Allied Activities

6 digit: 332810 - Coating, Engraving, Heat Treating & Allied Activities

Legal and Trade Name of the Owner and Operator, street (and mailing) address:

Militex Coatings Inc., 1881 Huron Street, London, Ontario N5V 3A5

Public contact:

Scott Reehill, Plant Manager

Phone: 519-659-0528 ext. 27

Email: SReehill@militex.ca

Number of full-time employee equivalents at the facility: 100

Spatial Coordinates of the facility:

Latitude: 43.0267N, Longitude: -81.1891E

UTM Zone: 17N

List of Toxic Substances used at the facility:

Zinc - CAS Number: No single CAS number applies

Distillates (Petroleum) Hydrotreated Light: CAS 64742-47-8

Heavy Naphtha Hydrotreated: CAS 64742-48-9

Light Aromatic Solvent Naphtha: CAS 64742-95-6

Methyl Ethyl Ketone: CAS 78-93-3

Petroleum Naphtha: CAS 64742-88-7

Propylene Glycol Methyl Ether Acetate: CAS 108-65-6

Heavy Aromatic Solvent Naptha: CAS 64742-94-5

n-butyl acetate: CAS 123-86-4

Facility's approach to toxic substance accounting:

Mass balance for 'contained in product' based on incoming inventory records (materials entering facility), formula composition for waste characterization data and waste manifests for off-site disposal.

No inventory due to order on demand system.

Facility's Objectives and Targets:

The facility's goal is to continue to investigate ways to reduce the use of reportable substance. Due to the fact that their customer mandates specific material compositions be used to meet customer performance specifications, the company is unable to commit to a specific option for reduction.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Methyl Ethyl Ketone

CAS Number: 78-93-3

TRA report comparison for the calendar years 2012 to 2017:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	19.452	13.975	8.512	6.83	19.992	15.044	-24.75%
Created	No	0	0	0	0	0	0	0
Transformed	No	0	0	0	0	0	0	0
Destroyed	No	0	0	0	0	0	0	0
On-site Release	No	19.452	13.975	8.512	6.83	19.992	15.044	-24.75%
Off-site Disposal	No	0	0	0	0	0	0	0
Off-site Recycling	No	0	0	0	0	0	0	0
Contained in Product	No	0	0	0	0	0	0	0

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

An increase of product was noted between 2015 and 2016 and then a decrease in 2017

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Distillates (Petroleum) Hydrotreated Light

CAS Number: 64742-47-8

TRA report comparison for the calendar years 2012 to 2016:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	3.506	3.491	3.516	2.648	3.170	2.813	-11.26%
Created	No	0	0	0	0	0	0	
Transformed	No	0	0	0	0	0	0	
Destroyed	No	0	0	0	0	0	0	
On-site Release	No	3.417	3.242	3.343	2.468	2.978	2.594	-12.89%
Off-site Disposal	No	0	0	0	0	0	0	
Off-site Recycling	No	0.089	0.248	0.172	0.181	0.192	0.218	13.541%
Contained in Product	No	0	0	0	0	0	0	

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The product used changed by -11.26% and the amount released through recycle increased substantially -12.89% when 2017 is compared to 2016.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Heavy Naphtha Hydrotreated

CAS Number: 64742-48-9

TRA report comparison for the calendar years 2012 to 2017:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	3.453	3.453	3.474	2.64	3.148	2.788	-11.43%
Created	No	0	0	0	0	0	0	0
Transformed	No	0	0	0	0	0	0	0
Destroyed	No	0	0	0	0	0	0	0
On-site Release	No	0.036	0	0	0	0	0	0
Off-site Disposal	No	0	0	0	0	0	0	0
Off-site Recycling	No	3.417	3.417	3.474	2.64	3.148	2.788	-11.43%
Contained in Product	No	0	0	0	0	0	0	0

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Light Aromatic Solvent Naphtha

CAS Number: 64742-95-6

TRA report comparison for the calendar years 2012 to 2017:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	5.781	5.77	5.805	4.548	5.406	4.785	-11.5%
Created	No	0	0	0	0	0	0	
Transformed	No	0	0	0	0	0	0	
Destroyed	No	0	0	0	0	0	0	
On-site Release	No	0	0.927	2.44	1.023	1.66	0.524	-68.4%
Off-site Disposal	No	0	0	0	0	0	0	
Off-site Recycling	No	5.781	4.84	3.364	3.524	3.746	4.261	13.75%
Contained in Product	No	0	0	0	0	0	0	0

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

Records indicate that a similar amount of product was sent out for recycle in 2016 as in 2015 and then increased in 2017 containing reportable substance.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Solvent Naphtha Medium Aliphatic

CAS Number: 64742-88-7

TRA report comparison for the calendar years 2012 to 2017:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	3.453	3.453	3.481	2.643	3.149	2.788	-11.4%
Created	No	0	0	0	0	0	0	0
Transformed	No	0	0	0	0	0	0	0
Destroyed	No	0	0	0	0	0	0	0
On-site Release	No	3.453	3.453	3.481	2.643	3.149	2.788	-11.4%
Off-site Disposal	No	0	0	0	0	0	0	0
Off-site Recycling	No	N/a	N/a	N/a	N/a	N/a	N/a	
Contained in Product	No	0	0	0	0	0	0	0

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

Records indicate that use of the product containing reportable substance increased by -11.4% in 2017.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Propylene Glycol Methyl Ether Acetate

CAS Number: 108-65-6

TRA report comparison for the calendar years 2012 to 2017:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	4.357	3.35	2.323	1.72	3.843	2.716	-29.33%
Created	No	0	0	0	0	0	0	0
Transformed	No	0	0	0	0	0	0	0
Destroyed	No	0	0	0	0	0	0	0
On-site Release	No	4.357	3.35	2.323	1.72	3.843	2.716	-29.33%
Off-site Disposal	No	0	0	0	0	0	0	0
Off-site Recycling	No	0	0	0	0	0	0	0
Contained in Product	No	0	0	0	0	0	0	0

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The product used decreased in 2017 as did the amount released to atmosphere by 29.33%.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Heavy Aromatic Solvent Naphtha

CAS Number: 64742-94-5

TRA report comparison for the calendar years 2013 to 2017:

Categories	Change in Tracking / Quantification	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	1.703	2.096	1.47	2.107	1.922	-8.78%
Created	No	0	0	0	0	0	n/a
Transformed	No	0	0	0	0	0	n/a
Destroyed	No	0	0	0	0	0	n/a
On-site Release	No	1.703	2.096	1.47	2.107	1.922	-8.78%
Off-site Disposal	No	0	0	0	0	0	n/a
Off-site Recycling	No	0	0	0	0	0	n/a
Contained in Product	No	0	0	0	0	0	n/a

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The product used and the amount released to atmosphere decreased by -9%.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: Zinc

CAS Number: No single CAS number applies

TRA report comparison for the calendar years 2011 to 2017:

Categories	Change in Tracking / Quant	2011 Reporting Year (tonnes)	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change *
Used	No	12.938	Below reporting threshold (8.854)	Below reporting threshold (5.896)	Below reporting threshold (5.159)	Below reporting threshold (2.38)	Below reporting threshold (2.38)	Below reporting threshold (1.49)	0%
Created	No	0	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A
Transformed	No	0	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A
Destroyed	No	0	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A
On-site Release	No	6.54	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A
Off-site Disposal	No	2.685	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A
Off-site Recycling	No	0	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A
Contained in Product	No	10.237	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	Below reporting threshold	N/A

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

Less product was used in 2017 again bringing down the total zinc to a level lower than the reporting threshold. Use of zinc has decreased by 88% in 2017 when compared to the original year 2011.

The name of the substance and the Chemical Abstracts Service (CAS) Registry number for the facility:

Name: n-Butyl Acetate

CAS Number: 123-86-4

TRA report comparison for the calendar years 2014 - 2017:

Categories	Change in Tracking / Quantification	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	2017 Reporting Year (tonnes)	Percent Change
Used	No	1.615	2.396	1.266	0.696	-45%
Created	No	0	0	0	0	n/a
Transformed	No	0	0	0	0	n/a
Destroyed	No	0	0	0	0	n/a
On-site Release	No	1.573	2.353	1.220	0.643	-47%
Off-site Disposal	No	0	0	0	0	n/a
Off-site Recycling	No	0.0417	0.0437	0.0464	0.052	12%
Contained in Product	No	0	0			n/a

**based on detailed accounting*

NOTE: Accounting information is also located on the Environment Canada NPRI website and the Ontario Ministry of the Environment Toxic Reduction website.

If the comparison indicates a change in the quantification of the substance between calendar years and explanation of the reasons for the change:

The product used decreased by almost 45%. The amount released to atmosphere increased by 12% and off-site recycling decreased by 47%.

Facility's Objectives and Targets:

The facility's goal is to continue to investigate ways to reduce the use of reportable substance. Due to the fact that their customer mandates specific material compositions be used to meet customer performance specifications, the company is unable to commit to a specific option for reduction.

Statement of Certification

As the Highest Ranking Employee at the Facility (or authorized delegate), I certify that I have read the toxic substance reports and am familiar with with the content. To the best of my knowledge the report is factually accurate, and the report complies with the Toxic Reduction Act, 2009, and Ontario Regulations 455/09 and 125/10.

Militex Coatings Inc.

Date