Ontario Toxics Reduction Act- Annual Public Report

Reporting Year 2016

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, Latitude: -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 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)	Percent Change
Used	**No**	19.452	13.975	8.512	6.83	19.992	+192.7%
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**	19.452	13.975	8.512	6.83	19.992	+192.7%
Off-site Disposal	**No**	0	0	0	0	0	0
Off-site Recycling	**No**	0	0	0	0	0	0
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:

An increase of product was noted between 2015 and 2016

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)	Percent Change
Used	**No**	**3.506**	**3.491**	**3.516**	**2.648**	**3.170**	**19.71%**
Created	**No**	0	0	0	0	0	
Transformed	**No**	0	0	0	0	0	
Destroyed	**No**	0	0	0	0	0	
On-site Release	**No**	3.417	3.242	3.343	2.468	2.978	19.71%
Off-site Disposal	**No**	0	0	0	0	0	
Off-site Recycling	**No**	0.089	0.248	0.172	0.181	0.192	6.07%
Contained in Product	**No**	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 19.71% and the amount released through recycle increased substantially +6.07% when 2016 is compared to 2015.

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 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)	Percent Change
Used	**No**	3.453	3.453	3.474	2.64	3.148	19.24%
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**	0.036	0	0	0	0	0
Off-site Disposal	**No**	0	0	0	0	0	0
Off-site Recycling	**No**	3.417	3.417	3.474	2.64	3.148	19.24%
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 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 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)	Percent Change
Used	**No**	5.781	5.77	5.805	4.548	5.406	18.86%
Created	**No**	0	0	0	0	0	
Transformed	**No**	0	0	0	0	0	
Destroyed	**No**	0	0	0	0	0	
On-site Release	**No**	0	0.927	2.44	1.023	1.66	62.27%
Off-site Disposal	**No**	0	0	0	0	0	
Off-site Recycling	**No**	5.781	4.84	3.364	3.524	3.746	6.3%
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:

Records indicate that a similar amount of product was sent out for recycle in 2016 as in 2015 which contains 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 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)	Percent Change
Used	**No**	3.453	3.453	3.481	2.643	3.149	19.14%
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**	3.453	3.453	3.481	2.643	3.149	19.14%
Off-site Disposal	**No**	0	0	0	0	0	0
Off-site Recycling	**No**	N/a	N/a	N/a	N/a	N/a	
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:

Records indicate that use of the product containing reportable substance increased by 19.14% in 2016.

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 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)	Percent Change
Used	**No**	4.357	3.35	2.323	1.72	3.843	123.43%
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**	4.357	3.35	2.323	1.72	3.843	123.43%
Off-site Disposal	**No**	0	0	0	0	0	0
Off-site Recycling	**No**	0	0	0	0	0	0
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 increased in 2016 as did the amount released to atmosphere by 123.43%.

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 2016:

Categories	Change in Tracking / Quantification	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	Percent Change
Used	**No**	1.703	2.096	1.47	2.107	43.33%
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**	1.703	2.096	1.47	2.107	43.33%
Off-site Disposal	**No**	0	0	0	0	n/a
Off-site Recycling	**No**	0	0	0	0	n/a
Contained in Product	**No**	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 increased by 43%.

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 2016:

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)	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)**	0%
Created	**No**	0	**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**	**N/A**
Destroyed	**No**	0	**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**	**N/A**
Off-site Disposal	**No**	2.685	**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**	**N/A**
Contained in Product	**No**	10.237	**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 2016 again bringing down the total zinc to a level lower than the reporting threshold. Use of zinc has decreased by 82% in 2016 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 - 2016:

Categories	Change in Tracking / Quantification	2014 Reporting Year (tonnes)	2015 Reporting Year (tonnes)	2016 Reporting Year (tonnes)	Percent Change
Used	**No**	1.615	2.396	1.266	-47%
Created	**No**	0	0	0	n/a
Transformed	**No**	0	0	0	n/a
Destroyed	**No**	0	0	0	n/a
On-site Release	**No**	1.573	2.353	1.220	-48.%
Off-site Disposal	**No**	0	0	0	n/a
Off-site Recycling	**No**	0.0417	0.0437	0.0464	6%
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 and the amount released to atmosphere decreased by almost -48%. Off-site recycling increased by only 6%.

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.