

# Ontario Toxics Reduction Act- Annual Public Report

## Reporting Year 2014

### MSSC

#### BASIC COMPANY INFORMATION

**National Pollutant Release Inventory (NPRI) ID:** 0805

**NAICS ID:**

2 digit: 33- Manufacturing

4 digit: 3363 – Motor Vehicle Parts Manufacturing

6 digit: 336330 - Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing

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

MSSC, 201 Park Avenue East, Chatham, Ontario N7M 3V7

**Public contact:**

Jim Hall, Environmental Manager Phone: 519-354-1100

Email: James.Hall@msscna.com

**Number of full-time employee equivalents at the facility:** 280

**Spatial Coordinates of the facility:**

Latitude: 42.40060N, Longitude: -82.17390E

UTM Zone: 17N

**List of Toxic Substances created at the facility:**

Manganese – CAS Number: No single CAS number applies

Zinc – CAS Number: No single CAS number applies

PM<sub>10</sub> - CAS Number: No single CAS number applies

**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 Manganese, Zinc and natural gas which produces Particulate Matter. 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: Manganese

CAS Number: No single CAS number applies

TRA comparisons for 2011, 2012 and 2013 for Manganese:

Categories	Change in Tracking / Quantification	2011 Reporting Year (tonnes)	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	Percent Change *
Used	No	116.689	20.512	8.063	168.754	+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	0.0011	0.00185	0.003	0.003	+172%
Off-site Disposal	No	0				N/A
Off-site Recycling	No	16.2237	13.52	4.431	5.155	-68%
Contained in Product	No	100.472	6.9909	3.629	159.96	+59%

*\*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 amount of product used which contained Manganese increased in 2014 by 44% when compared to the base year 2011. The use of Manganese increased as production of products using materials that contain Manganese increased from the base year. There are no economical or feasibility options or substitutions at this time.

**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 and NPRI quantifications comparison for 2012, 2013 and 2014 for Zinc:**

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	Percent Change *
Used	No	20.398	54.096	53.364	+ 162%
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	0	0	0	N/A
Off-site Disposal	No	0	0	0	N/A
Off-site Recycling	No	2.204	3.5265	2.204	+ 0%
Contained in Product	No	18.194	50.569	51.16	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 amount of product containing Zinc increased in 2013 and 2014 when compared to the base year of 2012. The increase was due to an increase in production of products using materials that contain Zinc. There are no economical or feasibility options or substitutions at this time.

The amount of recycling remains the same as that of 2012.

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

Name: Particulate Matter 10 (PM<sub>10</sub>)

CAS Number: No single CAS number applies

TRA and NPRI quantification comparison for 2012 and 2013 for PM<sub>10</sub>:

Categories	Change in Tracking / Quantification	2012 Reporting Year (tonnes)	2013 Reporting Year (tonnes)	2014 Reporting Year (tonnes)	Percent Change *
Used	No	0	0	0	N/A
Created	No	0.6456	0.6806	0.6978	+8%
Transformed	No	0	0	0	N/A
Destroyed	No	0	0	0	N/A
On-site Release	No	0.6456	0.66806	0.6978	+8%
Off-site Disposal	No	0	0	0	N/A
Off-site Recycling	No	0	0	0	N/A
Contained in Product	No	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 amount of PM<sub>10</sub> released increased in 2013 and 2014 when compared to the base year of 2012.

## 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.

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MSSC

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Date