Ontario Toxics Reduction Act Public Report
A.G.S. Automotive Systems Windsor Plant 2017

Information to be made available to public

The National Pollutant Release Inventory (NPRI) identification number for the facility:

002404

The legal and trade names of the owner and the operator of the facility, the street address of the facility and, if the mailing address of the facility is different from the street address, the mailing address:

A. G. Simpson Automotive Inc. Windsor Plant

275 Eugenie Street East

Windsor, Ontario N8X 2X9

The number of full-time employee equivalents at the facility:

60

The two-and four-digit North American Industry Classification System (NAICS) codes and the six-digit NAICS Canada code for the facility:

NAICS 2 Code: 33 - Metal, Computer, Appliance, Transporation, Furniture, Misc Manufacturing

NAICS 4 Code: 3363 - Motor Vehicle Parts Manufacturing

NAICS 6-digit Code: Motor vehicle metal parts stamping (336370)

If applicable, the name, position and telephone number of the person who is the contact at the facility for the public:

Mr. Maurice Pestowka

Position: Manager, Corporate Environmental Affairs

Phone: (519) 572-7139

Fax: (519) 621-1177

mauricep@agsautomotive.com

The spatial coordinates of the facility expressed in Universal Transverse Mercator (UTM) within a North American Datum 83 (NAD83) datum:

UTM Zone 17, NAD 83, 333868.6E, 4683658.5N

In respect of each person who is the Canadian parent company of the facility, if applicable. The legal name of the person, the street and mailing address, if different from the address mentioned in paragraph 4, if applicable, the company's percentage of ownership of the person responsible for ensuring a toxic substance reduction plan is prepared:

A.G.Simpson Automotive Inc. (100%)

200 Yorkland Boulevard, Suite 800,

Toronto, ON M2J 5C1

A statement of whether there has been a change in the method or combination of methods used to track and quantify the substance during the previous calendar year and, if there has been a change, a description of the change, the reason for the change and how the change will impact tracking and quantification of the substances:

There has been no change in the method or combination of methods used to track and quantify manganese and its compounds.

1. Manganese and its compounds

The name and the Chemical Abstracts Service Registry number of the substance, if a number has been assigned:

Name: Manganese (and its compounds)

Chemical Abstracts Service Registry number: NA

The name of all other toxic substances used or created at the facility for which plans are required to be prepared:

NA

On a facility-wide basis, the results of the determinations of the amount of the substance:

The source of Manganese is metal, welding wire electrode and fasteners.

Manganese contained in metal:

Metal containing manganese is received and stamped to the required specification in the Stamping Process. In the Stamping Process, scraps containing manganese are sent off-site for recycling. Following stamping, the metal parts are moved to the spot/projection weld cells. In the Spot/Projection Welding Process, metal surfaces are joined by the heat obtained from resistance to electric current. A small quantity of Manganese is released on-site as an air emission from the Spot/Projection Welding Process. After inspection, the welded parts are transferred to be packaged and shipped to the customer or for paint.

Manganese contained in welding wire electrode:
Welding wire electrode is received and transferred to the MIG Welding Process. In the MIG Welding Process, an electric arc forms between a consumable wire electrode and the parts, which heats the part, causing them to melt, and join. Along with the wire electrode, a shielding gas feeds through the welding gun, which shields the process from contaminants in the air. A small quantity of Manganese is released on-site as an air emission from the MIG Welding Process. After inspection, the welded parts are transferred to be packaged and shipped to the customer or for paint.

Manganese contained in welding pieces:
Welding fasteners (nuts and studs) containing manganese are received and transferred to the Projection Welding Process. In the Projection Welding Process the metal surfaces are joined by the heat obtained from resistance to electric current and downward force causing the heated projections on the welding pieces to collapse joining the welded pieces to the base metal. A small quantity of Manganese is released on-site as an air emission from the Projection Welding Process. After inspection, the welded parts are transferred to be packaged and shipped to the customer or for paint.

In 2017, Manganese and its compounds were released on-site to air and transferred off-site for recycling by third parties.

Manganese (and its compounds):

	2017 Calendar Year	2016 Calendar Year	% Change	Rationale for Change (>10%)
Use	10-100 tonnes*	10-100 tonnes*	-34%	Change in production levels
Creation	0	0	0	NA
Contained in product	10-100 tonnes*	10-100 tonnes*	-33%	Change in production levels
Onsite release to air	0.01 tonnes	0.007 tonnes	-43%	Change in production levels
Onsite release to water	0	0	0	NA
Onsite release to land	0	0	0	NA
Transformation	0	0	0	NA
Offsite transfer for treatment/recycling	5.16 tonnes	8 tonnes	-36%	Change in production levels
Destruction	0	0	0	NA
Onsite/offsite disposal	0	0	0	NA

[1] Releases from the non-consumable electrode welding activity cannot be calculated due to direction given by Environment Canada not to use their published emission factors.
*Information in the range specified by the MOE director.
** Quantification values shown in this table are annual values.

This report is certified by the highest-ranking employee at the facility who has management responsibilities relating to the facility.

Certification certified by the Highest-Ranking Employee

As of April 1, 2018, I certify that I have read the reports on the toxic substance reduction plans for Manganese, and am familiar with their contents and to my knowledge the information contained in the report is factually accurate and the report comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

3/22/18

Geoff Berry
Production Manager
A.G.S. Automotive Systems Windsor Plant