Ontario Toxics Reduction Act Public Report
A.G.S. Automotive Systems Cambridge Plant 2020

Information to be made available to public

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

003121

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. Cambridge Plant

560 Conestoga Boulevard

Cambridge, Ontario N1R 7L7

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

195

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: 3328 – Coating, Engraving, Heat Treating and Allied Activities

NAICS 6 Code: 332810 – Coating, Engraving, Heat Treating and Allied Activities

NAICS 6 Code: 336370 – Motor Vehicle Metal Parts Stamping

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, E554890 N4806102

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 Hydrochloric Acid, Sulphuric Acid and Manganese and its Compounds during the previous calendar year.

1. Hydrochloric acid

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

Name: Hydrochloric acid

Chemical Abstracts Service Registry number: 7647-01-0

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

Manganese (and its compounds)

Sulphuric Acid (7664-93-9)

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

Hydrochloric acid is added to the DI system to regenerate the cation resin by exchanging the hydrogen with the metals on the resin. A small amount of hydrochloric acid is also used to clean equipment as well.

In 2020, hydrochloric acid was processed in plant as a reactant, a physical or chemical processing aid and a pH adjuster.

Hydrochloric acid:

	2020 Reporting Year (kg)	2019 Reporting Year (kg)	Change (%)	Rationale For Change (>10%)
Use	1,000-10,000 kg*	1,000-10,000 kg*	19%	Change in production level
Creation	0	0	0	n/a
Contained in product	0	0	0	n/a
Onsite release to air	0	0	0	n/a
Onsite release to water	0	0	0	n/a
Onsite release to land	0	0	0	n/a
Transformation	0	0	0	n/a
Offsite transfer for treatment/recycling	0	0	0	n/a
Destruction	16,825.80	14,094	19%	Change in production level
Onsite/offsite disposal	0	0	0	n/a

*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.

2. Sulphuric acid

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

Name: Sulphuric acid

Chemical Abstracts Service Registry number: 7664-93-9

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

Manganese (and its compounds)

Hydrochloric Acid (7647-01-0)

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

Sulphuric acid is used in the waste water treatment process to lower pH when necessary as part of the neutralization process. Subsequently, all Sulphuric acid is destroyed and is not present in the sewer discharge or the de-watered sludge.

In 2020, all used sulphuric acid was destroyed in the process and no release was made.

Sulphuric acid:

	2020 Reporting Year (kg)	2019 Reporting Year (kg)	Change (%)	Rationale For Change (>10%)
Use	10,000-100,000 kg*	10,000-100,000 kg*	65%	Change in production level
Creation	0	0	0	n/a
Contained in product	0	0	0	n/a
Onsite release to air	0	0	0	n/a
Onsite release to water	0	0	0	n/a
Onsite release to land	0	0	0	n/a
Transformation	0	0	0	n/a
Offsite transfer for treatment/recycling	0	0	0	n/a
Destruction	12,694.50	257350.74	65%	Change in production level
Onsite/offsite disposal	0	0	0	n/a

*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.

3. 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:

Hydrochloric Acid (7647-01-0)

Sulphuric Acid (7664-93-9)

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

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. Welding pieces, nuts and studs are also received and transferred to the Projection Welding Process. Following stamping, metal parts are moved to spot/projection weld cells.

Manganese contained in welding pieces:

In the Spot Welding Process, metal surfaces are joined by the heat obtained from resistance to electric current. 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 Spot/Projection Welding Process, but these releases cannot be calculated due to direction given by Environment Canada not to use their published emission factors.

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.

After inspection, the welded parts are transferred to paint and or package and shipping.

Manganese from zinc phosphate process:

A small quantity of Manganese is also contained in product through the zinc phosphate process.

In 2020, manganese was sent off-site contained in product and was also transferred off-site in scrap steel for recycling.

Manganese (and its compounds):

	2020 Reporting Year (kg)	2019 Reporting Year (kg)	Change (%)	Rationale For Change (>10%)
Use	10,000-100,000 kg*	10,000-100,000 kg*	16%	Change in production level
Creation	0	0	0	n/a
Contained in product	37,549.22	148243.32	-2%	No significant change
Onsite release to air	0.16	0.63	-75%	Change in production level
Onsite release to water	0	0	0	n/a
Onsite release to land	0	0	0	n/a
Transformation	0	0	0	n/a
Offsite transfer for treatment/recycling	46,220	10606	36%	Change in production level
Destruction	0	0	0	n/a
Onsite/offsite disposal	0	0	0	n/a

*Information in the range specified by the MOE director.
** Quantification values shown in this table are annual values.
***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.

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 September 25th, 2021, I certify that I have read the reports on the toxic substance reduction plans for hydrochloric acid, Sulphuric Acid and manganese (and its compounds), and am familiar with their contents and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

Martin Agnew
Plant Manager
A.G.S. Automotive Systems Cambridge Plant