

Ontario Toxics Reduction Plan Summary
Public Disclosure – Year 2013

Facility Details

Facility Name: Samuel Strapping Systems
 Address: 2370 Dixie Road, Mississauga, ON L4Y 1Z7
 NPRI Identification Number: 3889
 Two Digit NAICS Code: 31 – 33 - Manufacturing
 Four Digit Naics Code: 3312 – Steel Product Mfg. From Purchased Steel
 Six Digit NAICS Code: 331221 – Cold-Rolled Steel Shape Mfg.
 Number of Full-Time Employees: 120
 UTM Spatial Co-ordinates: X(E): 614725; Y(N): 4828750; (-79.5785, 43.6029)

Parent Company Details

Legal Name of Parent Company: Samuel, Son and Co. Limited
 Address of Parent Company: 2360 Dixie Road, Mississauga, ON L4Y 1Z7
 Percentage of facility Owned by Parent Company: 100 %

Public Contact at Facility

Name: Bill McLachlan
 Position: Operations Manager
 Address: Samuel Strapping Systems, Mississauga, ON
 Office Phone Number: (905) 279-9424 x 65278

Facility Description

Samuel Strapping produces heat-treated or standard duty steel strapping on one of two lines in the manufacturing facility. Coils of steel is received and is first uncoiled before processing. Heat-treated steel is produced by first pre-heating and then redirecting to the heat-treating oven where the steel is tempered to produce the desired properties. The steel is quenched in a lead pot and then passes through charcoal prior to entering a water bath for final cooling. The steel is then directed to a paint dip tank, a drying oven, a wax coating tank and the drying oven again before being recoiled for packaging and shipping out. In the case of standard duty steel strapping, the processes are similar in all but the pre-heat, heat-treating and quenching.

Substances Information

2-Butoxyethanol (2BE), isobutyl alcohol (IBA), methyl ethyl ketone (MEK), xylene and diethylene glycol butyl ether (DGBE) are used and released at the facility from the painting and coating processes.

Substance Accounting Details

Process Type	2BE (tonnes/yr)	IBA (tonnes/yr)	MEK (tonnes/yr)	Xylene (tonnes/yr)	DGBE (tonnes/yr)
Enters (total)	>10 to 100	>10 to 100	>1 to 10	>1 to 10	>1 to 10
Created	0	0	0	0	0
In/on Product	0	0	0	0	0
Released, as Air Emissions	>10 to 100	>10 to 100	>1 to 10	>1 to 10	>1 to 10
Released on- site to land	0	0	0	0	0

Process Type	2BE (tonnes/yr)	IBA (tonnes/yr)	MEK (tonnes/yr)	Xylene (tonnes/yr)	DGBE (tonnes/yr)
Released to water	0	0	0	0	0
Released, Transferred for Recycling	0	0	0	0	0
Released to Disposal	0	0	0	0	0

Historical Comparison

As this is the first toxic reduction plan prepared for Samuel Strapping, no historical comparison data is available.

Reduction Plan Objectives and Targets:

Samuel Strapping does not have a target for reducing the releases of 2-butoxyethanol, isobutyl alcohol, methyl ethyl ketone, xylene or diethylene glycol butyl ether. Samuel Strapping will continue to monitor industry practices and standards and will apply innovative approaches to painting processes to maintain minimal use of the above listed VOCs.

Reduction Options Under Consideration for Implementation:

Until there are technological advancements in minimizing VOC usage during painting, there are no further actions that can be undertaken at Samuel Strapping.

Additional Actions and Their Impact on Substance Use, Creation and Discharge:

Samuel Strapping will continue to follow best operating practices by providing Pollution Prevention training/updates for employees and to minimize excess storage of paints to eliminate disposal of excess paints or paints that expire as being out of date.

Amendments or Changes to Toxic Reduction Plans During Report Period:

No amendments or changes have been made to the facility's toxics reduction plans.

Copy of Certification:

As of Dec 30/13, I, Bill McLachlan, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and complies with the Toxics Reduction Act 2009 and Ontario Regulation 455/09 (General) made under that Act.

- 2-Butoxyethanol
- Isobutyl alcohol
- Methyl ethyl ketone
- Xylene
- Diethylene glycol butyl ether



Bill McLachlan
General Manager, Samuel Strapping Systems
(Highest Ranking Employee)

Jan 9 / 14
Date