Ontario Toxics Reduction Plan Summary Public Disclosure – 2011

Facility Details

Facility Name:	Massilly North America Inc.
Address:	406 Elgin Street, Brantford, ON N3S 7P6
NPRI Identification Number:	11317
Two Digit NAICS Code:	33 – Manufacturing
Four Digit Naics Code:	3321 – Forging & Stamping
Six Digit NAICS Code:	332118 – Stamping
Number of Full-Time Employees:	55
UTM Spatial Co-ordinates:	X(E): 615519; Y(N): 4824809 (Zone 17)

Parent Company Details

Legal Name of Parent Company:	Massilly North America Inc.
Address of Parent Company:	501 Lakeshore Road East, Mississauga, ON

Percentage of facility Owned by Parent Company: 100 %

Public Contact at Facility

Name:	Duane McBay
Position:	Production Manager
Address:	406 Elgin Street, Brantford, ON N3S 7P6
Office Phone Number:	(226) 250-3100 x 327

Facility Description

Massilly North America Inc. produces a range of twist closures for the food and beverage industry. The manufacturing process consists of sheet metal coating, UV printing and curing, followed by trimming, lid pressing, cap rolling/forming, and injection of food grade resins into the cap, resin curing and cooling.

Substances Information

Chromium (CAS # 7440-47-3), manganese (CAS # 7439-96-5), nickel (CAS # 7440-02-0) and copper (CAS # 7440-50-8) enter the facility as components of the tinplate sheet metal that is processed at Massilly.

Naphthalene (CAS # 91-20-3), phenol (CAS # 108-95-2) and formaldehyde (CAS # 50-00-0) are components found in the wide range of coatings and inks used in the production process. Copper is also present at low concentrations in certain inks/coatings used at the facility.

Other substances including toluene (CAS #108-88-3), ethyl benzene (CAS #100-41-4) and xylene (CAS #1330-20-7) are found in solvent mixtures used at the facility for equipment cleaning.

Substance Accounting Details

Process Type	Chromium (tonnes/yr)	Manganese (tonnes/yr)	Nickel (tonnes/yr)	Copper (tonnes/yr)
Enters (total)	>1 to 10	>1 to 10	>1 to 10	>1 to 10
Created	0	0	0	0
In/on Product	>1 to 10	>1 to 10	>1 to 10	>1 to 10
Released, as Air Emissions	0	0	0	0
Released on-site to land	0	0	0	0
Released to water	0	0	0	0
Released, Transferred for Recycling	>0 to 1	>0 to 1	>0 to 1	>1 to 10
Released to Disposal	0	0	0	0

Process Type	Toulene (tonnes/yr)	Ethyl Benzene (tonnes/yr)	Xylene (tonnes/yr)
Enters (total)	>0 to 1	>1 to 10	>10 to 100
Created	0	0	0
Destroyed or Transformed	>0 to 1	>1 to 10	>10 to 100
In/on Product	0	0	0
Released, as Air Emissions	>0 to 1	>0 to 1	>0 to 1
Released on-site to land	0	0	0
Released to water	0	0	0
Released, Transferred for Recycling	>0 to 1	>0 to 1	>1 to 10
Released to Disposal	0	0	0

Process Type	Naphthalene (tonnes/yr)	Phenol (tonnes/yr)	Formaldehyde (tonnes/yr)
Enters (total)	>1 to 10	>0 to 1	>0 to 1
Created	0	0	0
Destroyed or Transformed	>1 to 10	>0 to 1	>0 to 1
In/on Product	0	0	0
Released, as Air Emissions	>0 to 1	>0 to 1	>0 to 1
Released on-site to land	0	0	0
Released to water	0	0	0
Released, Transferred for Recycling	>0 to 1	>0 to 1	>0 to 1
Released to Disposal	0	0	0

Historical Comparison

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

Reduction Plan Objectives and Targets:
The metallic substances, organic compounds and organic solvents are key components used in the manufacturing process and their elimination is not a viable option. Massillly will explore methods to reduce the loss of residues of the metallic substances, organic compounds and organic solvents from the production process.

Reduction Options Under Consideration for Implementation:
The reduction options under consideration for implementation includes:

- ☐ Raw material substitution of tinplate with tin-free steel to reduce the amount of chromium, manganese, nickel and copper used at the facility, and
- ☐ The reuse of residual solvents for equipment cleaning, blending with fresh solvent when necessary.

Additional Actions and Their Impact on Substance Use, Creation and Discharge:
Annual P2 review meetings and annual Best Operating Practices refresher courses will be conducted for continued improvement.

Amendments or Changes to Toxic Reduction Plans During Report Period:
No amendments or changes have been made to the facility's to xics reduction plans.

Copy of Certification:
As of May 31, 2013, I, Garnet Lasby, certify that I have read the report on the toxic substance reduction plan for the toxic substances referred to below and am familiar with its contents, and to my knowledge the information contained in the report(s) is factually accurate and complies with the Toxics Reduction Act 2009 and Ontario Regulation 455/09 (General) made under that Act in all respects except for submission of the plan by the deadline date of December 31, 2012.

Chromium
Manganese
Nickel
Copper
Toulene
Ethyl benzene
Xylene
Naphthalene
Phenol
Formaldehyde

Garnet Lasby
President
Massilly North America Inc.
(Highest Ranking Employee)

May 31, 2013
Date