

## Ontario Toxics Reduction Plan Accounting Public Disclosure – Year 2013

### Facility Details

Facility Name: Massilly North America Inc.  
Address: 406 Elgin Street, Brantford, ON N3S 7P6  
NPRI Identification Number: 11317  
Two Digit NAICS Code: 31 – 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; (-79.5695, 43.5673)

### Parent Company Details

Legal Name of Parent Company: Massilly Holding S.A.  
Address of Parent Company: 581 rue des Freres Lumiere, 71000 Macon, France  
Percentage of facility Owned by Parent Company: 100 %

### Public Contact at Facility

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

### Facility Description

Massilly North America Inc. (Massilly) produces a range of twist and crown closures for the food and beverage industry. Manufacturing consists of sheet metal coating, UV printing and curing, followed by trimming, lid pressing, cap forming, and injection of food grade resins into the caps.

### Substances Information

Eleven substances were identified under the Toxic Substances Reduction act: 2-butoxyethanol, n-Butyl alcohol, methyl isobutyl ketone, xylene, isopropyl alcohol, methyl ethyl ketone, 1,2,4-trimethylbenzene, heavy aromatic solvent naphtha, light aromatic solvent naphtha, ethylene glycol butyl ether acetate and propylene glycol methyl ether acetate. These substances are components of the coatings, inks and solvents used in the production processes at the facility.

### Substance Accounting Details

| Source                        | 2-Butoxyethanol<br>(CAS # 111-76-2)<br>(tonnes/yr) |               |         | n-Butyl alcohol (71-36-3)<br>(tonnes/yr) |               |        |
|-------------------------------|--|---------------|---------|--|---------------|--------|
|                               | 2013   | 2012          | Change  | 2013                                     | 2012          | Change |
| Enters (total)                | >10 to<br>100                                      | >10 to<br>100 | + 31.5% | DNMC <sup>1</sup>                        | >10 to<br>100 |        |
| Created                       | 0  | 0             |         | 0  | 0             |        |
| In/on Product                 | 0  | 0             |         | 0  | 0             |        |
| Released, as Air<br>Emissions | >0 to 1  | >0 to 1       | + 32.8% | DNMC                                     | >0 to 1       |        |
| Released on-site to land      | 0  | 0             |         | 0  | 0             |        |
| Released to water             | 0  | 0             |         | 0  | 0             |        |
| Released, for Recycling       | >1 to 10   | >1 to 10      | + 8.4%  | DNMC                                     | >1 to 10      |        |
| Released to Disposal          | 0  | 0             |         | 0  | 0             |        |

| Source                        | Methyl isobutyl ketone<br>(108-10-1)<br>(tonnes/yr) |          |         | Xylene (1330-20-7)<br>(tonnes/yr) |               |         |
|-------------------------------|---|----------|---------|-----------------------------------|---------------|---------|
|                               | 2013  | 2012     | Change  | 2013                              | 2012          | Change  |
| Enters (total)                | >10 to<br>100                                       | >1 to 10 | + 16.2% | >10 to<br>100                     | >10 to<br>100 | + 46.3% |
| Created                       | 0   | 0        |         | 0                                 | 0             |         |
| In/on Product                 | 0   | 0        |         | 0                                 | 0             |         |
| Released, as Air<br>Emissions | >0 to 1   | >0 to 1  | + 19.0% | >0 to 1                           | >0 to 1       | + 10.2% |
| Released on-site to land      | 0   | 0        |         | 0                                 | 0             |         |
| Released to water             | 0   | 0        |         | 0                                 | 0             |         |
| Released, for Recycling       | >0 to 1   | >0 to 1  | + 19.3% | >1 to 10                          | >1 to 10      | + 266%  |
| Released to Disposal          | 0   | 0        |         | 0                                 | 0             |         |

| Source                        | Isopropyl alcohol (67-63-0)<br>(tonnes/yr) |          |         | Methyl ethyl ketone (78-93-3)<br>(tonnes/yr) |          |        |
|-------------------------------|--|----------|---------|--|----------|--------|
|                               | 2013                                       | 2012     | Change  | 2013   | 2012     | Change |
| Enters (total)                | >1 to 10                                   | >1 to 10 | + 63.5% | DNMC   | >1 to 10 |        |
| Created                       | 0  | 0        |         | 0  | 0        |        |
| In/on Product                 | 0  | 0        |         | 0  | 0        |        |
| Released, as Air<br>Emissions | 0  | 0        |         | DNMC   | 0        |        |
| Released on-site to land      | 0  | 0        |         | 0  | 0        |        |
| Released to water             | 0  | 0        |         | 0  | 0        |        |
| Released, for Recycling       | >1 to 10                                   | >1 to 10 | + 44.2% | DNMC   | >1 to 10 |        |
| Released to Disposal          | 0  | 0        |         | 0  | 0        |        |

<sup>1</sup> DNMC = Did not meet criteria for reporting to NPRI & TRA

| Source                     | 1,2,4-trimethylbenzene<br>(95-63-6)<br>(tonnes/yr) |          |        | Heavy aromatic solvent<br>naphtha (64742-94-5)<br>(tonnes/yr) |            |        |
|----------------------------|--|----------|--------|---|------------|--------|
|                            | 2013   | 2012     | Change | 2013  | 2012       | Change |
| Enters (total)             | >1 to 10   | >1 to 10 | + 1.5% | DNMC  | >10 to 100 |        |
| Created                    | 0  | 0        |        | 0   | 0          |        |
| In/on Product              | 0  | 0        |        | 0   | 0          |        |
| Released, as Air Emissions | >0 to 1  | >0 to 1  | + 9.0% | DNMC  | >0 to 1    |        |
| Released on-site to land   | 0  | 0        |        | 0   | 0          |        |
| Released to water          | 0  | 0        |        | 0   | 0          |        |
| Released, for Recycling    | >1 to 10   | >1 to 10 | + 1.2% | DNMC  | >1 to 10   |        |
| Released to Disposal       | 0  | 0        |        | 0   | 0          |        |

| Source                     | Light aromatic solvent<br>naphtha (64742-94-6)<br>(tonnes/yr) |          |         | Ethylene glycol butyl ether<br>acetate (112-07-2)<br>(tonnes/yr) |          |        |
|----------------------------|---|----------|---------|--|----------|--------|
|                            | 2013  | 2012     | Change  | 2013   | 2012     | Change |
| Enters (total)             | >10 to 100  | >1 to 10 | + 1000% | DNMC   | >1 to 10 |        |
| Created                    | 0   | 0        |         | 0  | 0        |        |
| In/on Product              | 0   | 0        |         | 0  | 0        |        |
| Released, as Air Emissions | >0 to 1   | 0        |         | DNMC   | >0 to 1  |        |
| Released on-site to land   | 0   | 0        |         | 0  | 0        |        |
| Released to water          | 0   | 0        |         | 0  | 0        |        |
| Released, for Recycling    | >1 to 10  | >1 to 10 | + 488%  | DNMC   | >1 to 10 |        |
| Released to Disposal       | 0   | 0        |         | 0  | 0        |        |

| Source                     | Propylene glycol methyl ether<br>acetate (108-65-6)<br>(tonnes/yr) |          |        |
|----------------------------|--|----------|--------|
|                            | 2013   | 2012     | Change |
| Enters (total)             | >1 to 10   | >1 to 10 | + 740% |
| Created                    | 0  | 0        |        |
| In/on Product              | 0  | 0        |        |
| Released, as Air Emissions | >0 to 1  | 0        |        |
| Released on-site to land   | 0  | 0        |        |
| Released to water          | 0  | 0        |        |
| Released, for Recycling    | >1 to 10   | >1 to 10 | + 341% |
| Released to Disposal       | 0  | 0        |        |

**Historical Comparison**

There were increases, significant with some substances, in 2013 compared to 2012 in all of these subject substances due to increased production at Massilly.

**Reduction Plan Objectives and Targets:**

Where practical and technically and economically viable, Massilly intends on addressing methods to reduce the use and releases of organic substances in their facility. Massilly will identify and evaluate practices that will reduce the loss of residues of the subject substances by up to 10 % over the next 2 to 5 years.

**Reduction Options Under Consideration for Implementation:**

Eliminating base coats on applicable products will result in reduced coating use equating to reduced use and releases of the subject organics substances. Massilly is also considering reusing residual cleaning solvents for the initial equipment cleaning process.

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

Massilly will continue to follow best operating practices by providing Pollution Prevention training/updates for employees.

**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 2 June 2014, I, Garnet Lasby, certify that I have read the 2013 Accounting report on the toxic substances 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  
n-Butyl alcohol  
Methyl isobutyl ketone  
Xylene  
Isobutyl alcohol  
Methyl ethyl ketone  
1,2,4-Trimethylbenzene  
Heavy aromatic solvent naphtha  
Light aromatic solvent naphtha  
Ethylene glycol butyl ether acetate  
Propylene glycol methyl ether acetate



Garnet Lasby  
General Manager, Massilly North America Inc.  
(Highest Ranking Employee)