

**EMMERSON PACKAGING**

**2017 TOXIC SUBSTANCE ACCOUNTING – SUMMARY REPORT**

Emmerson, formerly PolyCello, retained XCG Consulting Limited (XCG) to perform calculations and prepare the annual report required by the Ontario Ministry of Environment and Climate Change (MOECC) under the Toxics Reduction Action (TRA) Regulation 455/09 for the Emmerson Packaging facility in Belleville, Ontario.

Emmerson is a printing facility for plastic packaging. Primary emissions come from the VOCs contained in the flexographic ink used in the printing line.

The reportable contaminants for 2017, for which a reduction plan is required, are n-Butyl Acetate, Ethyl Acetate, Ethyl Alcohol, and Isopropyl Alcohol.

At this time, a technically and economically feasible reduction option has not been identified for the facility.

In addition to completing the required annual summary, this summary has been submitted to the MOECC on-line using the web based Single Window Information Manager (SWIM) portal. A copy of the submission report is attached.

**SECTION 1: GENERAL FACILITY INFORMATION**

Business Name: Emmerson Packaging Belleville  
Street/Mailing Address: Emmerson Packaging Belleville  
420 College Street East  
Belleville, Ontario  
K8N 4Z6

NAICS Code: 323119  
Latitude/Longitude: 44.188571/-77.362214  
Number of Employees: 85

Company Contact Trevor Fury  
Operations Manager  
420 College Street East  
Belleville, Ontario  
K8N 4Z6  
(613-968-9222 x1228)

Certifying Official: Trevor Fury  
Operations Manager  
420 College Street East  
Belleville, Ontario  
K8N 4Z6  
(613-968-9222 x1228)

**SECTION 2: PRESCRIBED TOXIC SUBSTANCES ON-SITE**

Four substances were identified to be reported on a facility-wide basis under O. Reg. 455/09 as identified in Table 1 below.

**Table 1 Toxic Substance Reported on a Facility Wide Basis**

Substance	Enters the Facility (Use) (kg)	Creation (kg)	Contained in Product (kg)	Total Quantity Released (kg)	Disposals and Transfers (kg)	Change
2017 n-Butyl Acetate	5,353	0	0	5,353	0	764 kilogram increase
2017 Ethyl Acetate	3,424	0	0	3,424	0	157 kilogram increase
2017 Ethyl Alcohol	9,603	0	0	9,603	0	3,214 kilogram decrease
2017 Isopropyl Alcohol	3,885	0	0	3,885	0	147 kilogram increase

To quantify n-Butyl Acetate, Ethyl Acetate, Ethyl Alcohol, and Isopropyl Alcohol, Emmerson tracked the amount of ink used throughout the year. The total quantity of each VOC released to the atmosphere was based on the total amount of each ink used annually, and an assumed loss of 100% of the material used to atmosphere. The quantity of n-Butyl Acetate contained in the flexographic inks gas was based on the average concentration of n-Butyl Acetate in each ink, as noted on each respective MSDS.

**SECTION 3: CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of June 7/18, I, Trevor Fury, certify that I have read the report on the toxic substance  
(DATE)

accounting and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the Toxic Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

Trevor Fury  
Trevor Fury

June 7/18  
Date