

Armstrong Manufacturing Inc.

Toxic Reduction Act - Public Annual Report 2016

Company: Armstrong Manufacturing Inc.
2485 Haines Road
Mississauga, ON L4Y 1Y7

NPRI Identification Number: 1093

NAICS Code:

Two Digit NAICS Code: 32 – Manufacturing;

Four Digit NAICS Code: 3256 – Soap, Cleaning Compound and Toilet Preparation
Manufacturing

Six Digit NAICS Code: 325610 – Soap and Cleaning Compound Manufacturing

Public Contact:

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**UTM Spatial Coordinates
(NAD83):**

UTM Zone 17T
Easting 613544.97
Northing 4827913.59

Number of Full Time Employees: 40

Parent Company: N/A

Substance: Hydrochloric Acid **CAS #: 7647-01-0**

2016 Annual Facility-Wide Accounting:

The amount of substance that entered the facility is the substance itself: 100,000-1,000,000 kg
The amount of substance that was created: 0 kg
The amount of substance that was transformed: 0 kg
The amount of substance that was destroyed: 0 kg
The amount of substance that was contained in product: 100,000-1,000,000 kg
The amount of substance that was released to air: 1-10kg
The amount of substance that was released to water: 10-100kg
The amount of substance that was released to land: 0 kg
The amount of substance that was disposal: 0 kg
The amount of substance that was in transfers to on and off-site disposal and off site recycling: 0 kg

Armstrong Manufacturing Inc.

2016 Annual Facility-Wide Accounting Summary:

Name of Substance	Hydrochloric Acid	CAS #: 7647-01-0
Enter the process (Use)	100,000-1,000,000kg	
Contained in product	100,000-1,000,000kg	
Released to air	1-10kg	
Released to water	10-100kg	

TRA Quantification for comparison of 2015 & 2016

	Enter The Process (Use)	Contained In Product	Released To Air	Released To Water
2015	100,000-1,000,000kg	100,000-1,000,000kg	1-10kg	10-100kg
2016	100,000-1,000,000kg	100,000-1,000,000kg	1-10kg	10-100kg
Change	1,000-10,000kg	1,000-10,000kg	1-10kg	1-10kg
%	↑5%	↑5%	↑10%	↑3%

If the comparison indicates a change in the quantification of the substance between calendar years, an explanation of the reasons for the change:

Change in production levels, batch numbers and quantities.

Indication of reduction in “Released to Water % Change”- effective scheduling and batch sizes of products with hydrochloric acid will affect the amount of release to water, specifically reducing the number and volume of washouts. Filling of different sizes of bottles also affect the release of HCl through the scrubber system.

Indication of increase in “Release to Air” via wet scrubber system – filling varying size containers with product containing hydrochloric acid has to be taken into consideration. Large containers will take less time to fill, whereas small containers will take longer time to fill the same volume. In summation, in 2016, the air scrubber operation time during processing is less than it was in 2015, however; the air scrubber operation time during filling is considerably more in 2015.

The Company is not intended to reduce the use of the prescribed toxic substance due to the fact that the substance is part of the product formulation. There is no amendment to the plan.

Certification:

As of *May 9, 2017*, I, *David Armstrong*, certify that I have read the record created for the purposes of section 9 of Ontario Regulation 455/09 (General) made under the *Toxics Reduction Act, 2009* in respect of the use and creation of the toxic substance referred to below at *Armstrong Manufacturing Inc.* and am familiar with its contents and to my knowledge it is factually accurate.

TRA Substance List: Hydrochloric Acid

The original version of this report is signed off by:



David Armstrong
President