

Armstrong Manufacturing Inc.

Toxic Reduction Act - Public Annual Report 2017

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: Steven Armstrong
Vice-President
2485 Haines Road
Mississauga, ON L4Y 1Y7
Tel: 905-566-1395
Fax: 905-566-8195
E-mail: stevenarmstrong@armstrongmanufacturing.com

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: 10-100kg

The amount of substance that was released to water: 100-1000kg

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.

2017 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	10-100kg	
Released to water	100-1000kg	

TRA Quantification for comparison of 2016 & 2017

	Enter the Process (Use)	Contained in Product	Released to Air	Released to Water
2016	100,000-1,000,000kg	100,000-1,000,000kg	1-10kg	100-1000kg
2017	100,000-1,000,000kg	100,000-1,000,000kg	10-100kg	100-1000kg
Change	1,000-10,000kg	1,000-10,000kg	10-100kg	10-100kg
%	↓6%	↓6%	↑346%	↑11%

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

New information became available regarding the HCl scrubber operation reflecting updated data for air emissions and HCl discharges to the sanitary system.

Indication of increase in "Released to Water % Change"- reflects the improved HCl wet scrubber operation and scrubber data quality as well as the updates in the HCl collection points as per *ECA#0563-AJTTG9, February 2017*.

Indication of increase in "Release to Air" via the wet scrubber system reflects the improved HCl wet scrubber operation and scrubber data quality as well as the updates in the HCl collection points as per *ECA#0563-AJTTG9, February 2017*.

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 15, 2018*, 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.

Hydrochloric Acid

The original version of this report is signed off by:



David Armstrong
President