

Armstrong Manufacturing Inc.

Toxic Reduction Act - Public Annual Report 2018

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
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UTM Spatial Coordinates (NAD83): UTM Zone 17T
Easting 613544.97
Northing 4827913.59

Number of Full Time Employees: 44

Parent Company: N/A

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

2018 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.

2018 Annual Facility-Wide Accounting Summary:

<i>Name of Substance</i>	<i>Hydrochloric Acid</i>	<i>CAS #: 7647-01-0</i>
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 2017 & 2018

	Enter the Process (Use)	Contained in Product	Released to Air	Released to Water
2017	100,000-1,000,000kg	100,000-1,000,000kg	10-100kg	100-1000kg
2018	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	100-1000kg
%	↑3.8%	↑3.5%	↑0.8%	↑299.0%

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

- Based on site-specific information clarification and standardisation of data collection regarding the HCl scrubber operation, improved quality of data became available. It is reflecting updated data for scrubber acid to drain measures as well as acid loss to wash-outs, thus HCl discharges to water, that is to the sanitary system.
- Indication of increase in "Released to Water % Change" - improved data quality and standardisation of data collection was developed for the site-specific operation. Data collection was methodically re-assessed to collect and develop a more credible data. Critical Scrubber water collection regime was confirmed and Quality Control analytical were carried out when managing HCl releases to water. This updated data collection procedure will be applied for such calculation moving forward.

The Company is not intending 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 April 23, 2019, 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