

Armstrong Manufacturing Inc.

Toxic Reduction Act - Public Annual Report 2015

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: 30

Parent Company: N/A

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

2015 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: 100-1,000kg

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

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2015 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	100-1,000kg	

TRA Quantification for comparison of 2014 & 2015

	Enter The Process (Use)	Contained In Product	Released To Air	Released To Water
2014	10,000-100,000kg	10,000-100,000kg	1-10kg	10-100kg
2015	100,000-1,000,000kg	100,000-1,000,000kg	1-10kg	100-1000kg
Change	10,000-100,000kg	10,000-100,000kg	1-10kg	10-100kg
%	↑20%	↑20%	↑80%	↑69%

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" - effective scheduling of products with hydrochloric acid will affect the amount of release to water, specifically reducing the number and volume of washouts.

Indication of increase in "Release to Air" – 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. Collection of this release is via local ventilation fans.

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 April 26, 2016, 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