



Toxic Reduction 2019 Annual Report Cobalt

Date: July 29, 2020

388 Goodyear Rd.

Napanee, Ontario



INTRODUCTION

Ontario's Toxics Reduction Act and Regulation (O.Reg 455/09) aims to protect the health of people and the environment by reducing the use and emission of toxic substances. The Act is the cornerstone of Ontario's Toxics Reduction Strategy, which is focused on:

- managing and reducing the use and creation of toxic substances in order to protect the environment and human health
- informing the public about toxics in their communities; and
- helping ensure that Ontario is well-positioned to compete in the emerging green global economy.

This strategy supplements the traditional 'end of pipe' approach to managing toxic substances released into the environment by focusing on reducing the creation and use of these substances at the 'front end' of manufacturing processes.

The act requires regulated facilities to:

- track and quantify the toxic substances that they use and create
- develop plans to reduce the use and creation of these substances; and
- make summaries of their plans available to the public.

Goodyear Napanee manufactures high quality tires for the North American Tire (NAT) market and is a certified ISO14001:2015 facility. One of the ingredients Goodyear uses in the tire making process is Dirosic, cobalt neodecanoate salts. Dirosic is an additive that is used only in the rubber that touches the belt wire. A tire consists of many different components built together on a drum and then cured in a press under heat and pressure to create a strong, safe product. One component of a tire is the belt package.

The belt package of a tire consists of calendered sheets of rubber and closely spaced steel cords. Belts give the tire strength and puncture resistance while allowing the tire to remain flexible. The belt package is under the tread and helps the tire stay flat so that it makes the best contact with the road. It is important that this rubber bonds well with the steel cords. The cobalt is added to ensure adhesion between the steel and the rubber during construction and during the life of the tire. It is critical that all components of a tire form a strong composite.

This annual Toxics Substance Public Report summarizes the status of Cobalt at the Napanee facility for 2019 data (reported 2020). This Report is updated annually, as required by the Act and O. Reg. 455/09. It has been prepared to meet the regulatory obligations specified in Section



10 of the Act and the requirements of Section 27(1) of Ontario Regulation 455/09, as amended from time to time.

SUBSTANCE AND FACILITY INFORMATION

Toxic Substances	
Substance Name	Cobalt (and its compounds)
Chemical Abstracts Service Registry Number	NA-05
Other toxic substance plans	Zinc (7440-66-6), PM10, PM2.5, Ethanol (64-17-5), Methyl Iso-Butyl Ketone (108-10-1), Toluene (108-88-3), Xylene (1330-20-7), Hexane (110-54-3), Nitrogen Oxides (11104-93-1), Ethylene Glycol (107-21-1)
Facility Information	
Legal Company Name	Goodyear Canada Inc.
Facility Name	Napanee
Facility Address	388 Goodyear Road, R.R.7, Napanee, ON, K7R 3L2
Web Site Address	http://www.goodyear.ca/en-CA/tires-home
Spatial Coordinates of Facility	UTM Easting: 344558.90; UTM Northing: 4905595.73; UTM Zone 18T
Number of Full Time Employees (or equivalents)	764
NPRI ID#	1322
O.Reg 127/01 ID	NA
Primary North American Industrial Classification system Code (NAICS)	
2 Digit NAICS Code	31-33 - Manufacturing
4 Digit NAICS Code	3262 (Rubber Product Mfg.)
6 Digit NAICS Canada Code	326210 (Tire Manufacturing)
Facility Public Contact Information	
Name & Title	Nina Norgaard (Environmental Coordinator), 613-354-7835
Certified Planner Contact	
Name	Ted Bailey (ted@auris.ca , 613-893-3680, TSRP0031)
Highest Ranking Employee	
Name & Title	Lester Brooks (Plant Manager), 613-354-7701
Corporate Headquarter Contact Information	
Parent Company Contact	Carlton Williams (Regional Environmental Manager)
Address	The Goodyear Tire & Rubber Company, 200 Innovation Way Akron, OH 44316, USA
Phone	330-796-0811
Percentage Ownership	100%



CHANGE IN METHODS OR COMBINATION OF METHODS

There have been no changes in how Goodyear calculates Cobalt emissions in 2019.

CHANGE IN PROCESSES

There have been no significant changes in 2019.

INCIDENTS OUTSIDE THE NORMAL COURSES OF EVENTS

There were no incidents in 2019.

AMENDMENTS TO THE PLAN

No amendments were made.

2019 FACILITY-WIDE ACCOUNTING INFORMATION

For the purposes of maintaining confidentiality, Goodyear (Napanee) has reported 'Use', 'Created' and 'Contained in Product' quantities in the bands and ranges prescribed by the Ontario Ministry of the Environment. The band and ranges specified by the Ontario Ministry of the Environment are summarized as follows:

- >0 to 1
- >1 to 10
- >10 to 100
- >100 to 1000
- >1000 to 10,000
- >10,000 to 100,000
- >100,000 to 1,000,000



Form of Involvement	Cobalt (2018)	Cobalt (2019)	% Change	Reason for Change
Enters the facility (use)	10 to 100 Tonnes	10 to 100 Tonnes	5.49% Decrease	Production Decrease
Created at the facility	None	None		
Released (air) from the facility	0 to 1 Tonne	0 to 1 Tonne	8.19% Decrease	Production Decrease
Released (land) from the facility	None	None		
Released (water) from the facility	None	None		
Disposed of (on-site) by the facility	None	None		
Disposed of (off-site) by the facility	None	None		
Transferred (for recycling) from the facility	0 to 1 Tonne	0 to 1 Tonne	10.78% Increase	Production Decrease
Contained in product that leaves facility	10 to 100 Tonnes	10 to 100 Tonnes	10.64% Increase	Production Decrease

CERTIFICATION BY HIGHEST RANKING EMPLOYEE

As of July 29, 2020, I, Lester Brooks, certify that I have read the report on the toxic substance reduction plan for the toxic substance referred to below 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 that Act.

Cobalt

Lester Brooks (Manufacturing Director)
The Goodyear Tire & Rubber Company (Napanee)

