

TOXIC SUBSTANCE REDUCTION PLAN

Summary

for
Copper (and its compounds)

Prepared for:

Rollstar Metal Forming, a division of Martinrea
6655 Northwest Drive
Mississauga, ON L4V 1L1

Prepared by:

EnviroLum Consulting
Kitchener, Ontario

November 30, 2017

Project No.: 17ELC043

EXECUTIVE SUMMARY

Rollstar Metal Forming manufactures roll formed metal products, incorporating injection molded plastic for the automotive sector at their facility located at 6655 Northwest Drive in Mississauga, Ontario.

In compliance with the Toxics Reduction Act and Ontario Regulation 455/09, this summary is for a new Toxic Substance Reduction Plan based on the 2016 reporting period. This summary includes the statement of intent, objectives of the plan, reason for use or creation, statement for not implementing reduction options, and certifications for Copper (and its compounds), CAS# NA – 06.

The facility currently does not plan to implement any reduction options since no new opportunities for reduction were identified.

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1.0 Basic Facility Information

SUBSTANCE INFORMATION			
Substance Name		CAS #	
Copper (and its compounds)		NA – 06	
Substances for which other plans have been prepared		CAS #	
Chromium (and its compounds)		NA – 04	
Lead (and its compounds)		NA - 08	
Nickel (and its compounds)		NA – 11	
Manganese (and its compounds)		NA – 09	
Toluene		108-88-3	
Zinc (and its compounds)		NA – 14	
Ethyl alcohol		64-17-5	
Methyl ethyl ketone		78-93-3	
SITE DETAILS			
Company	Rollstar Metal Forming		
Site Name	Rollstar Metal Forming		
Address	6655 Northwest Drive Mississauga, Ontario L4V 1L1 Canada		
UTM - Easting	610392.53		
UTM - Northing	4839805.76		
NPRI ID	5929	NAICS Code (6 digits)	336390
ON MOE ID	-	NAICS Code (4 digits)	3363
No. of Employees	313	NAICS Code (2 digits)	33
CONTACT INFORMATION			
Public Contact	Lily Brynaert		
Position	HR Manager		
Address	6655 Northwest Drive Mississauga, Ontario L4V 1L1 Canada		
Phone	905-673-5060		
Fax	905-673-5464		
Email	lbrynaert@martinrea.com		

2.0 Statement of intent

Rollstar Metal Forming, a division of Martinrea International Inc. is committed to playing a leadership role in protecting the environment. The use of copper is an integral part of the products that we manufacture, and it is not technically or economically feasible to reduce. We will continue to use the substance in strict accordance with all applicable environmental regulations.

3.0 Objectives of the plan & any targets

The objectives of this plan are to:

- identify potential toxic substance reduction options;
- assess the technical and economic feasibility of reduction options, if any are identified; and
- determine which options, if any, are feasible for implementation.

As part of the continual improvement practices at the facility, technical advances will be monitored for new opportunities to reduce the use of copper at the facility.

4.0 Reason for Use or Creation of Toxic Substance

The reported toxic substance, copper is identified as a trace element of aluminum and some stainless steel materials processed at the facility. Generally, copper content in stainless steel and aluminum alloy typically provides substantial increases in strength and hardening for machinability and formability. Copper can also reduce ductility and corrosion resistance.

Copper is not created at the facility.

5.0 Statement for Not Implementing Reduction Options

The facility currently does not plan to implement any reduction options since no new opportunities for reduction were identified. Technical and economic feasibility analysis are not included in the plan since no reduction options were identified.

The facility will continue to make improvements to processes and programs where feasible.

6.0 Estimated Reductions for Options Selected

Not applicable since no feasible options were identified for implementation.

7.0 Timelines for Achieving Estimated Reduction

Not applicable since no feasible options were identified for implementation.

8.0 Contents of this Plan Summary Reflects Plan

The plan summary accurately reflects the Toxic Substance Reduction Plan dated November 20, 2017, prepared for the substance identified in Section 1 of this plan summary.

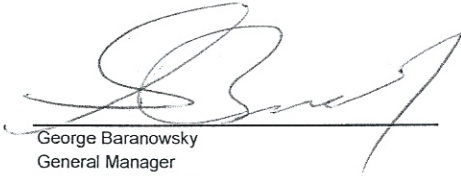
9.0 Copy of Certifications

A copy of the certifications signed by the highest ranking employee and licensed planner are attached to the end of this summary.

Certification by highest ranking employee

As of DEC-17, 2017, I, G. Baranowsky, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Copper (and its compounds)



George Baranowsky
General Manager
Rollstar Metal Forming

DEC-21-2017
Date

Certification by toxic substance reduction planner

As of November 20, 2017, I, Connie Lum, certify that I am familiar with the processes at Rollstar Metal Forming that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Copper (and its compounds)



Connie Lum, B.Sc., EP
Toxic Substance Reduction Planner (TSRP0089)
EnviroLum Consulting

November 20, 2017
Date