

# Toxic Substance Reduction Plan Sodium Nitrite

## Summary

**BLOUNT**

Toxic Substance Reduction Plan for 2012

**A. Basic Facility Information**

Name and CAS# of Substance	Sodium Nitrite	CAS 7632-00-0
Substances for which other plans have been prepared	Hydrochloric Acid	CAS 7647-01-0
	Hexavalent Chromium Compounds	N/A
	Lead	N/A
	Methanol	CAS 67-56-1
	Nitrate Ion	N/A
<b>Facility Identification and Site Address</b>		
Company Name	Blount Canada Ltd.,	
Facility name		
Facility Address	505 Edinburgh Road North, Guelph, Ontario, N1H 6L4	
Spatial Coordinates of Facility	Latitude: 43.3300 Longitude: 80.1600	
Number of Employees	660	
NPRI ID	3845	
Ontario MOE ID Number	N/A	
<b>Parent Company Information</b>		
Name and Address	Blount International	4909 S.E. International Way, Portland Oregon USA
Percent Ownership	100%	
Business Number	58638040	
<b>Primary North American Industrial Classification System Code (NAICS)</b>		
2 Digit NAICS Code	33	

## Toxic Substance Reduction Plan for 2012

4 Digit NAICS Code	3328	
6 Digit NAICS Code	332810	
<b>Company Contact Information</b>		
Facility Public Contact	Edward Lebrun, General Manager	505 Edinburgh Road North, Guelph, Ontario, N1H 6L4
	ted.lebrun@blount.ca	
	Phone: 519-822-6870	
	Fax: 519-822-1450	
<b>Parent Company Contact Information</b>		
Parent Company Contact	N/A	

### ***Plan Summary Statement***

This plan summary accurately reflects the content of the toxic substance reduction plan for Sodium Nitrite, prepared by Blount Canada Ltd., dated December 3, 2013.

### ***STATEMENT OF INTENT***

Blount Canada Ltd. is committed to playing a leadership role in protecting the environment. Sodium Nitrite is currently used by Blount as a manufacturing aid in heat treatment process. This facility does not create Sodium Nitrite; therefore this plan will not address reducing its creation. Whenever feasible, we intend to reduce or eliminate the use of this toxic substance at the facility in full compliance with all Federal and Provincial Regulations.

### ***REDUCTION OBJECTIVES***

Blount intends to monitor new methods and investigate ways to reduce or eliminate the use of sodium nitrite. Blount intends to reduce the use of sodium nitrite by 21% over the next 5 years of preparing this Plan.

**DESCRIPTION OF SUBSTANCE**

Sodium nitrite is used in Blount as a manufacturing aid in parts heat treatment process and as a coolant in grinding process.

**TOXIC SUBSTANCE REDUCTION OPTION TO BE IMPLEMENTED**

The following options have been identified for implementation to reduce the use and releases of sodium nitrite:

- Blount identified amine based cutter grind coolant as a replacement to coolant containing sodium nitrite.
- Blount identified a quench salt recovery system as an option for onsite reuse and recycling of heat treatment quench salt containing sodium nitrite.

**Anticipated Reductions from the implementation of the above listed options are as follows:**

Company Name: Blount Canada Ltd.

Substance: sodium nitrite

CAS#: 7632-00-0

Reduction Option: **Materials or Feedstock Substitution – amine based cutter grind coolant as a replacement of the coolant containing sodium nitrite.**

	Used (t/yr)	Created (t/yr)	On-site Releases (t/yr)			Disposal (t/yr)		Transfer (t/yr)	Contained in Product (t/yr)
			Air	Water	Land	On-site	Off-site		
Baseline	58.747	0.0	0.0	0.0	0.0	0.0	59.796	0.0	0.0
New estimated amount	57.697	0.0	0.00	0.0	0.0	0.0	58.746	0.0	0.0
Reduction	1.050	0.0	0.0	0.0	0.0	0.0	1.050	0.0	0.0
%Reduction	1.8%	0%	0%	0%	0%	0%	1.8%	0%	0%

It is expected that these reductions will be achieved within two years.

## Toxic Substance Reduction Plan for 2012

Company Name: Blount Canada Ltd.

Substance: sodium nitrite

CAS#: 7632-00-0

Reduction Option: **Onsite reuse or recycling – a quench salt recovery system (pilot project)**

	Used (t/yr)	Created (t/yr)	On-site Releases (t/yr)			Disposal (t/yr)		Transfer (t/yr)	Contained in Product (t/yr)
			Air	Water	Land	On-site	Off-site		
Baseline	58.747	0.0	0.0	0.0	0.0	0.0	59.796	0.0	0.0
New estimated amount	47.247	0.0	0.00	0.0	0.0	0.0	48.296	0.0	0.0
Reduction	11.500	0.0	0.0	0.0	0.0	0.0	11.500	0.0	0.0
%Reduction	20.0%	0%	0%	0%	0%	0%	19%	0%	0%

It is expected that these reductions will be achieved within two years.

**COPY OF CERTIFICATIONS**

**CERTIFICATION BY HIGHEST RANKING EMPLOYEE**

As of December 16, 2013, I, Edward Lebrun, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09

**(Sodium Nitrite)**



DANIEL LAWSON PGM  
Edward Lebrun

16 DEC 2013

Date

General Manager, Blount Canada Ltd.  
(Highest Ranking Employee)

**CERTIFICATION BY LICENSED PLANNER**

As of December 16, 2013, I, Les Kuczynski certify that I am familiar with the processes at Blount Canada Ltd that use or create the toxic substance 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 plan dated December 3, 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

**(Sodium Nitrite)**



Les Kuczynski P. Eng.  
Toxic Substance Reduction Planner  
License #TSRP0093

December 16, 2013

Date