



# National Pollutant Release Inventory (NPRI) and



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## Report Preview

### Report Details

Report Year	2015
Report Type:	NPRI,ON MOE TRA,NERM
Report Status:	Update 2 - Submitted
Modified Date/Time:	24/10/2016 12:12 PM
Report Update Comments:	Creating exit report for 569-64-2 C.I. Basic Green 4 for 2014 reporting year

### Company and Facility Details

Company Name:	Kemira Chemicals Canada Inc.
Business Number:	872000138
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 321 Welland Avenue City, Province/Territory, Postal Code: Saint Catharines Ontario L2R2R2 Country: Canada
Facility Name:	Kemira Chemicals Canada Inc.
NAICS Code:	325190
NPRI ID:	2048
Physical Address:	Address Line 1: 321 Welland Avenue City, Province/Territory, Postal Code: St. Catharines Ontario L2R2R2 Country: Canada Latitude: 43.17010 Longitude: -79.22827 UTM Zone: 17 UTM Easting: 644013 UTM Northing: 4781228

### Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan
Name:	Lynn Blanchard
Position:	EHSQ Manager
Telephone:	9056886470
Fax:	9056884666
Email:	lynn.blanchard@kemira.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 321 Welland Avenue City, Province/Territory, Postal Code: St. Catharines Ontario L2R2R2 Country: Canada

Contact Type	Certifying Official, Highest Ranking Employee
Name:	Bruno Montpetit
Position:	Plant Manager
Telephone:	9056886470
Fax:	9056886666
Email:	bruno.montpetit@kemira.com
Mailing Address:	Delivery Mode: GeneralDelivery Address Line 1: 321 Welland Avenue City, Province/Territory, Postal Code: St. Catharines Ontario L2R2R2 Country: Canada

## General Information

Number of employees:	23
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexachlorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):	No
Is the facility controlled by another Canadian company or companies:	No
Did the facility report under other environmental regulations or permits:	No
Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):	No
Was the facility shut down for more than one week during the year:	No
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri
Usual Number of Operating Hours per day:	16
Usual Daily Start Time (24h) (hh:mm):	07:00

## Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
103-23-1	Bis(2-ethylhexyl) adipate	N/A	N/A	N/A	N/A	tonnes
569-64-2	C.I. Basic Green 4	N/A	N/A	N/A	N/A	tonnes
NA - 20	Nonylphenol and its ethoxylates	N/A	N/A	724.0000	N/A	kg

## Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
103-23-1	Bis(2-ethylhexyl) adipate	Yes	Yes		No
569-64-2	C.I. Basic Green 4	No	No		No
NA - 20	Nonylphenol and its ethoxylates	No	No		No

## Applicable Programs - Comments

CAS RN	Substance Name	Comments
569-64-2	C.I. Basic Green 4	Consumption in 2014 was 5.45T. Consumption in 2015 was 3.901 T. Both are below the reporting thresh hold of 10T.

## TRA Exit Record

CAS RN	Substance Name	Circumstance(s) that apply	Describe the circumstances that lead to the criteria no longer being met	Describe the information and any quantifications relied upon for making the determination
569-64-2	C.I. Basic Green 4	The substance did not meet the criteria to provide information to NPRI	Decrease in the consumption of C.I. Basic Green 4 as a raw material due to decreased customer demand for the finished product.	C.I. Basic Green 4 consumption was 5.45T in 2014 and 3.901T in 2015 as determined by SAP inventory control and mass balances.
NA - 20	Nonylphenol and its ethoxylates	Facility has permanently ceased to use or create the substance	NPEs are no longer being used as a raw material in formulations.	The formulas have been changed so they are now NPE-free.

## General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
103-23-1	Bis(2-ethylhexyl) adipate	No	No	No
569-64-2	C.I. Basic Green 4	No	No	No
NA - 20	Nonylphenol and its ethoxylates	No	No	No

## General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
103-23-1	Bis(2-ethylhexyl) adipate	No	No	No
569-64-2	C.I. Basic Green 4	No	No	No
NA - 20	Nonylphenol and its ethoxylates	Yes	No	No

## General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
103-23-1	Bis(2-ethylhexyl) adipate	For on-site use/processing	As a formulation component	
569-64-2	C.I. Basic Green 4		As a formulation component	
NA - 20	Nonylphenol and its ethoxylates	For on-site use/processing	As a formulation component	

## TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained	Quantity	Use ranges for public reporting
103-23-1	Bis(2-ethylhexyl) adipate	Use	19.793 tonnes	No
103-23-1	Bis(2-ethylhexyl) adipate	Creation	0 tonnes	No
103-23-1	Bis(2-ethylhexyl) adipate	Contained	19.793 tonnes	No

## TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Incidents out of the normal course of events	Significant Process Change
103-23-1	Bis(2-ethylhexyl) adipate					No

## On-site Releases - Total

## On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
103-23-1	Bis(2-ethylhexyl) adipate	No significant change (i.e. < 10%) or no change	
569-64-2	C.I. Basic Green 4	No significant change (i.e. < 10%) or no change	No on-site releases
NA - 20	Nonylphenol and its ethoxylates	No significant change (i.e. < 10%) or no change	

## On-site Releases - Anticipated Releases

CAS RN	Substance Name	2016	2017	2018
103-23-1	Bis(2-ethylhexyl) adipate	0	0	0
569-64-2	C.I. Basic Green 4	0	0	0
NA - 20	Nonylphenol and its ethoxylates	0	0	0

#### Disposals - Off-site Transfers (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 20	Nonylphenol and its ethoxylates	Incineration / Thermal	C - Mass Balance		724 kg

#### Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - Treatment Prior to Final Disposal
NA - 20	Nonylphenol and its ethoxylates	724 kg

#### Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - By Facilities

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 20	Nonylphenol and its ethoxylates	Incineration / Thermal	RPR Environmental	164 South Service Rd., Stoney Creek, ON, Canada	724 kg

#### Disposals - Off-site Transfers (excluding Tailings and Waste Rock) - Dioxins and Furans Breakdown List By Facility

Category	CAS RN	Substance Name	Off-site Name	Quantity
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#### Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 20	Nonylphenol and its ethoxylates	724 kg

#### Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities Disposed from Previous Year	Comments (Disposals)
103-23-1	Bis(2-ethylhexyl) adipate		No significant change (i.e. < 10%) or no change	
569-64-2	C.I. Basic Green 4		No significant change (i.e. < 10%) or no change	No quantities disposed on site.
NA - 20	Nonylphenol and its ethoxylates	Unusable parts or discards	Other (specify in On-site Releases comment field)	Raw materials became obsolete because of a change in formulations. The remaining small quantity of raw materials on site were disposed accordingly.

#### Disposals - Anticipated Disposals (excluding Tailings and Waste Rock)

CAS RN	Substance Name	2016	2017	2018
103-23-1	Bis(2-ethylhexyl) adipate	0	0	0
569-64-2	C.I. Basic Green 4	0	0	0
NA - 20	Nonylphenol and its ethoxylates	0	0	0

#### Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
103-23-1	Bis(2-ethylhexyl) adipate		No significant change (i.e. < 10%) or no change	
569-64-2	C.I. Basic Green 4		No significant change (i.e. < 10%) or no change	No on-site recycling
NA - 20	Nonylphenol and its ethoxylates		No significant change (i.e. < 10%) or no change	

#### Recycling - Anticipated Recycling

CAS RN	Substance Name	2016	2017	2018
103-23-1	Bis(2-ethylhexyl) adipate	0	0	0
569-64-2	C.I. Basic Green 4	0	0	0
NA - 20	Nonylphenol and its ethoxylates	0	0	0

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported	Change	% Change
103-23-1	Bis(2-ethylhexyl) adipate	No	Enters the facility (Use)	19.793 tonnes	19.332 tonnes	2014	0.461	2.38
103-23-1	Bis(2-ethylhexyl) adipate	No	Creation	0 tonnes	0 tonnes	2014	0	
103-23-1	Bis(2-ethylhexyl) adipate	No	Contained	19.793 tonnes	19.332 tonnes	2014	0.461	2.38

### Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
103-23-1	Bis(2-ethylhexyl) adipate	Increase in production levels	

### Pollution Prevention

Does the facility have a documented pollution prevention plan?

No

Did the facility complete any pollution prevention activities in the current NPRI reporting year

No

### Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
103-23-1	Bis(2-ethylhexyl) adipate	Our objective at this time is to continue to use DEHA at the current levels as a diluent for a portion of our defoamers. We will continue to monitor the amount consumed, and will be investigating the possibility of reducing the amount of DEHA used in our formulas in the future. It should be noted that DEHA was chosen as a replacement to DIDP, a phthalate ester, due to suspected health concerns related to phthalates.

### Progress on TRA Plan - Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
103-23-1	Bis(2-ethylhexyl) adipate	No quantity target	No timeline target	

### Progress on TRA Plan - Description

CAS RN	Substance Name	Quantity	Years	Description of Target
103-23-1	Bis(2-ethylhexyl) adipate	No quantity target	No timeline target	

### Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
103-23-1	Bis(2-ethylhexyl) adipate	No		

### Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in <b>use</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in <b>creation</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in the substance <b>contained in product</b> at the facility during the reporting period that resulted due to the additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in <b>release to air</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in <b>release to water</b> of the substance at the facility during the reporting period that resulted due to the additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in <b>release to land</b> of the substance at the facility during the reporting period that resulted due to additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in the substance <b>disposed on-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in the substance <b>disposed off-site</b> (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions.	
103-23-1	Bis(2-ethylhexyl) adipate	The amount of reduction in the substance <b>recycled off-site</b> at the facility during the reporting period that resulted due to the additional actions.	

## Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
103-23-1	Bis(2-ethylhexyl) adipate	No		

## Report Submission and Electronic Certification

### NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Kemira Chemicals Canada Inc.

Certifying Official (or authorized delegate)

Bruno Montpetit

Report Submitted by

Bruno Montpetit

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

### ON MOE TRA - Electronic Certification Statement

#### Annual Report Certification Statement

As of 24/10/2016, I, Bruno Montpetit, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

#### TRA Substance List

CAS RN

Substance Name

103-23-1

Bis(2-ethylhexyl) adipate

#### Exit Record Certification Statement

As of 24/10/2016, I Bruno Montpetit, certify that I have read the records created for the purposes of section 11.2 of Ontario Regulation 455/09 (General) made under the Toxics Reductions Act, (2009) in respect of the use and creation of the toxic substances referred to below at Kemira Chemicals Canada Inc. and am familiar with their contents and to my knowledge they are factually accurate.

#### TRA Exit Record Substances

CAS RN

Substance Name

NA - 20

Nonylphenol and its ethoxylates

569-64-2

C.I. Basic Green 4

Company Name

Kemira Chemicals Canada Inc.

Highest Ranking Employee

Bruno Montpetit

Report Submitted by

Bruno Montpetit

Website address

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

## Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2015	24/10/2016	Kemira Chemicals Canada Inc.	Ontario	St. Catharines	NPRI,ON MOE TRA,NERM

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant Release Inventory directly.

Version: 3.10.0



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