

National Pollutant Release Inventory (NPRI) and



Canada

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Report Preview

Report Details

| | |
|---------------------|------------------------|
| Report Year | 2014 |
| Report Type: | NPRI,ON MOE TRA,ON MOE |
| Report Status: | Submitted |
| Modified Date/Time: | 30/05/2015 12:08 PM |

Company and Facility Details

| | |
|-------------------|--|
| Company Name: | Wikoff Color Corp. Canada |
| Business Number: | 831350673 |
| Mailing Address: | Delivery Mode: GeneralDelivery Address Line 1: 475 Bowes Road City, Province/Territory, Postal Code: Concord Ontario l4k1j5 Country: Canada |
| Facility Name: | WIKOFF COLOR CORPORATION - CANADA INC. |
| NAICS Code: | 325510 |
| NPRI ID: | 2536 |
| ON Reg 127/01 ID: | 8135 |
| Physical Address: | Address Line 1: 475 Bowes Road City, Province/Territory, Postal Code: Vaughan Ontario L4K1J5 Country: Canada Latitude: 43.81500 Longitude: -79.49520 UTM Zone: 17 UTM Easting: 621021 UTM Northing: 4852426 |

Parent Companies

| | |
|------------------|--|
| Company Name: | Wikoff Color Corporation |
| Mailing Address: | Address Line 1: 1886 Merrit City, Province/Territory, Postal Code: Fort Mill SouthCarolina 29715 Country: UnitedStates |

Permits

| | |
|---|-------------|
| Number or Permit Number: | 9433-7F2KV9 |
| Government Department, Agency, or Program Name: | ON MOE |

Contacts Details

| | |
|--------------|--|
| Contact Type | Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan |
| Name: | David Anonen |

| | |
|---|---|
| Position: | R&D Manager |
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| Name: | Martin Hambrock |
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| Independent contractor/consultant company name: | Conestoga-Rovers & Associates |
| Mailing Address: | Address Line 1: 651 Colby Drive City, Province/Territory, Postal Code: Waterloo Ontario N2V 1C2 Country: Canada |

General Information

| | |
|--|--------------------------------------|
| Number of employees: | 28 |
| Activities for Which the 20,000-Hour Employee Threshold Does Not Apply: | None of the above |
| Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene: | 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: | Yes |
| Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants): | Yes |
| 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: | 11 |
| Usual Daily Start Time (24h) (hh:mm): | 06:00 |

Substance List

| CAS RN | Substance Name | Releases | Releases (Speciated VOCs) | Disposals | Recycling | Unit |
|----------|-----------------------------------|----------|---------------------------|-----------|-----------|--------|
| 67-64-1 | Acetone | 0.1360 | N/A | N/A | N/A | tonnes |
| 78-93-3 | Methyl ethyl ketone | 1.5460 | N/A | N/A | 1.3680 | tonnes |
| NA - M16 | Volatile Organic Compounds (VOCs) | 18.8200 | 18.8200 | N/A | N/A | tonnes |

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 |
|----------|-----------------------------------|------|------------|-------------------|---|
| 67-64-1 | Acetone | | No | Yes | No |
| 78-93-3 | Methyl ethyl ketone | Yes | Yes | | No |
| NA - M16 | Volatile Organic Compounds (VOCs) | Yes | No | | No |

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 |
|---------|----------------|--|--|---|
| 67-64-1 | Acetone | The substance did not meet the criteria to provide information to NPRI | Release to air was below reporting threshold. | Mass balance calculation |

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 |
|----------|-----------------------------------|------------------------------------|---|---|
| 78-93-3 | Methyl ethyl ketone | Yes | No | No |
| NA - M16 | Volatile Organic Compounds (VOCs) | | No | Yes |

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 |
|----------|-----------------------------------|---|--|--|
| 78-93-3 | Methyl ethyl ketone | No | No | Yes |
| NA - M16 | Volatile Organic Compounds (VOCs) | | | |

General Information about the Substance - Nature of Activities

| CAS RN | Substance Name | Manufacture the Substance | Process the Substance | Otherwise Use of the Substance |
|----------|-----------------------------------|---------------------------|----------------------------|--------------------------------|
| 78-93-3 | Methyl ethyl ketone | | As a formulation component | |
| NA - M16 | Volatile Organic Compounds (VOCs) | | | |

Substances added to/removed from the report

| CAS RN | Substance Name | Added/Removed | Comment |
|---------|-------------------|---------------|---|
| 78-83-1 | i-Butyl alcohol | Removed | Did not meet reporting threshold for 2014 |
| 67-63-0 | Isopropyl alcohol | Removed | Did not meet reporting threshold for 2014 |

TRA Quantifications

| CAS RN | Substance Name | Use, Creation, Contained | Quantity | Use ranges for public reporting |
|----------|-----------------------------------|--------------------------|----------------|---------------------------------|
| 78-93-3 | Methyl ethyl ketone | Use | 37.096 tonnes | Yes |
| 78-93-3 | Methyl ethyl ketone | Creation | 0 tonnes | No |
| 78-93-3 | Methyl ethyl ketone | Contained | 31.499 tonnes | Yes |
| NA - M16 | Volatile Organic Compounds (VOCs) | Use | 426.595 tonnes | Yes |
| NA - M16 | Volatile Organic Compounds (VOCs) | Creation | 0 tonnes | No |
| NA - M16 | Volatile Organic Compounds (VOCs) | Contained | | |

TRA Quantifications - VOC Breakdown List

| CAS RN | Substance Name | Use, Creation, Contained | Quantity |
|----------|----------------|--------------------------|----------------|
| 64-17-5 | Ethanol | Use | 176.862 tonnes |
| 64-17-5 | Ethanol | Creation | 0 tonnes |
| 141-78-6 | Ethyl acetate | Use | 211.773 tonnes |
| 141-78-6 | Ethyl acetate | Creation | 0 tonnes |

| CAS RN | Substance Name | Use, Creation, Contained | Quantity |
|------------|---------------------------------|--------------------------|---------------|
| NA - 31 | Heptane (all isomers) | Creation | 0 tonnes |
| 67-63-0 | Isopropyl alcohol | Creation | 0 tonnes |
| 78-93-3 | Methyl ethyl ketone | Use | 37.960 tonnes |
| 78-93-3 | Methyl ethyl ketone | Creation | 0 tonnes |
| 110-54-3 | n-Hexane | Creation | 0 tonnes |
| 64742-89-8 | Solvent naphtha light aliphatic | Creation | 0 tonnes |

TRA Quantifications - Total Speciated VOCs

| Use, Creation, Contained | Quantity |
|--------------------------|----------------|
| Use | 426.595 tonnes |
| Creation | tonnes |

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 |
|----------|-----------------------------------|------------------------------------|--------------------|---|--|----------------------------|
| 78-93-3 | Methyl ethyl ketone | | | | | No |
| NA - M16 | Volatile Organic Compounds (VOCs) | | | | | No |

On-site Releases - Releases to air

| CAS RN | Substance Name | Category | Basis of Estimate | Detail Code | Quantity |
|----------|-----------------------------------|--------------------------------|---------------------|-------------|---------------|
| 67-64-1 | Acetone | Storage or Handling Releases | C - Mass Balance | | 0.136 tonnes |
| 78-93-3 | Methyl ethyl ketone | Storage or Handling Releases | C - Mass Balance | | 1.546 tonnes |
| NA - M16 | Volatile Organic Compounds (VOCs) | Storage or Handling Releases | C - Mass Balance | | 18.820 tonnes |
| NA - M16 | Volatile Organic Compounds (VOCs) | Other Sources - Speciated VOCs | NA - Not Applicable | | 18.820 tonnes |

On-site Releases - Releases to air - Total

| CAS RN | Substance Name | Total - Releases to Air |
|----------|-----------------------------------|-------------------------|
| 67-64-1 | Acetone | 0.136 tonnes |
| 78-93-3 | Methyl ethyl ketone | 1.546 tonnes |
| NA - M16 | Volatile Organic Compounds (VOCs) | 18.820 tonnes |

On-site Releases - Releases to air - VOC Breakdown List

| Category | CAS RN | Substance Name | Quantity |
|--------------------------------|----------|---------------------|---------------|
| Other Sources - Speciated VOCs | 64-17-5 | Ethanol | 11.867 tonnes |
| Other Sources - Speciated VOCs | 141-78-6 | Ethyl acetate | 5.407 tonnes |
| Other Sources - Speciated VOCs | 78-93-3 | Methyl ethyl ketone | 1.546 tonnes |

On-site Releases - Total

| CAS RN | Substance Name | Total releases |
|---------|---------------------|----------------|
| 78-93-3 | Methyl ethyl ketone | 1.546 tonnes |

On-site Releases - Quarterly Breakdown of Annual Releases

| CAS RN | Substance Name | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 |
|---------|---------------------|-----------|-----------|-----------|-----------|
| 78-93-3 | Methyl ethyl ketone | 25 | 25 | 25 | 25 |

On-site Releases - Monthly Breakdown of Annual Releases

| CAS RN | Substance Name | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|----------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| NA - M16 | Volatile Organic Compounds (VOCs) | 8.33 | 8.33 | 8.34 | 8.33 | 8.33 | 8.34 | 8.33 | 8.33 | 8.34 | 8.33 | 8.33 | 8.34 |

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) |
|---------|---------------------|---|---|
| 78-93-3 | Methyl ethyl ketone | Other (specify in On-site Releases comment field) | Better control of production methods where substance is used. |

| CAS RN | Substance Name | Reasons for Changes in Quantities Disposed from Previous Year | Comments (Disposals) |
|----------|-----------------------------------|---|----------------------|
| NA - M16 | Volatile Organic Compounds (VOCs) | Changes in production levels | |

Disposals - Reasons and Comments

| CAS RN | Substance Name | Reasons Why Substance Was Disposed | Reasons for Changes in Quantities Disposed from Previous Year | Comments (Disposals) |
|---------|---------------------|------------------------------------|---|----------------------|
| 78-93-3 | Methyl ethyl ketone | | No significant change (i.e. < 10%) or no change | |

Recycling - Off-site Transfers for Recycling

| CAS RN | Substance Name | Category | Basis of Estimate | Detail Code | Quantity |
|---------|---------------------|----------------------|-------------------|-------------|--------------|
| 78-93-3 | Methyl ethyl ketone | Recovery of Solvents | C - Mass Balance | | 1.368 tonnes |

Recycling - Off-site Transfers for Recycling - Total

| CAS RN | Substance Name | Total - Off-site Transfers for Recycling |
|---------|---------------------|--|
| 78-93-3 | Methyl ethyl ketone | 1.368 tonnes |

Recycling - Off-site Transfers for Recycling - By Facility

| CAS RN | Substance Name | Category | Off-site Name | Off-site Address | Quantity |
|---------|---------------------|----------------------|-----------------------------------|---|--------------|
| 78-93-3 | Methyl ethyl ketone | Recovery of Solvents | Fielding Chemical Technology Inc. | 3549 Mavis Rd., Mississauga, ON, Canada | 1.368 tonnes |

Recycling - Off-site Transfers for Recycling - Dioxins and Furans Breakdown List By Facility

| Category | CAS RN | Substance Name | Off-site Name | Quantity |
|----------|--------|----------------|---------------|----------|
|----------|--------|----------------|---------------|----------|

Recycling - Reasons and Comments

| CAS RN | Substance Name | Reasons Why Substance Was Recycled | Reasons for Changes in Quantities Recycled from Previous Year | Comments |
|---------|---------------------|------------------------------------|---|---|
| 78-93-3 | Methyl ethyl ketone | Other | Other (specify in recycling comments field) | Less MEK was used for cleaning and less substandard product made. |

Comparison Report - Enters, Creation, Contained in Product

| CAS RN | Substance Name | Is Breakdown | Category | Quantity | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|------------|---------------------------------|--------------|---------------------------|----------------|------------------------|--|------------|----------|
| 141-78-6 | Ethyl acetate | Yes | Enters the facility (Use) | 211.773 tonnes | 182.197 tonnes | 2013 | 29.576 | 16.23 |
| 141-78-6 | Ethyl acetate | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 64-17-5 | Ethyl Alcohol | Yes | Enters the facility (Use) | 176.862 tonnes | 211.154 tonnes | 2013 | -34.292 | -16.24 |
| 64-17-5 | Ethyl Alcohol | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| NA - 31 | Heptane (all isomers) | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 67-63-0 | Isopropyl alcohol | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 78-93-3 | Methyl ethyl ketone | No | Enters the facility (Use) | 37.096 tonnes | 24.002 tonnes | 2013 | 13.094 | 54.55 |
| 78-93-3 | Methyl ethyl ketone | No | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 78-93-3 | Methyl ethyl ketone | No | Contained | 31.499 tonnes | 20.772 tonnes | 2013 | 10.727 | 51.64 |
| 78-93-3 | Methyl ethyl ketone | Yes | Enters the facility (Use) | 37.960 tonnes | 24002 tonnes | 2013 | -23964.040 | -99.84 |
| 78-93-3 | Methyl ethyl ketone | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 110-54-3 | n-Hexane | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 64742-89-8 | Solvent naphtha light aliphatic | Yes | Creation | 0 tonnes | 0 tonnes | 2013 | 0 | |

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

| CAS RN | Substance Name | Reason(s) for Change | Other Reason |
|----------|-----------------------------------|---|--|
| 78-93-3 | Methyl ethyl ketone | Increase in production levels | |
| NA - M16 | Volatile Organic Compounds (VOCs) | Increase in production levels Decrease in production levels Other | Changes occurred in production levels for specific products. |

Comparison Report - On-site Releases

| CAS RN | Substance Name | Is Breakdown | Category | Quantity | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|--------|----------------|--------------|----------|----------|------------------------|--|--------|----------|
|--------|----------------|--------------|----------|----------|------------------------|--|--------|----------|

| CAS RN | Substance Name | Is Breakdown | Category | Quantity | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|----------|---------------------|--------------|-----------------------------|---------------|------------------------|--|--------|----------|
| 141-78-6 | Ethyl acetate | Yes | Total Releases to Air | 5.407 tonnes | 4.523 tonnes | 2013 | 0.884 | 19.54 |
| 64-17-5 | Ethyl Alcohol | Yes | Total Releases to Air | 11.867 tonnes | 17.821 tonnes | 2013 | -5.954 | -33.41 |
| 78-93-3 | Methyl ethyl ketone | No | Total Releases to Air | 1.546 tonnes | 4.939 tonnes | 2013 | -3.393 | -68.70 |
| 78-93-3 | Methyl ethyl ketone | No | Total Releases to Water | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 78-93-3 | Methyl ethyl ketone | No | Total Releases to Land | 0 tonnes | 0 tonnes | 2013 | 0 | |
| 78-93-3 | Methyl ethyl ketone | No | Total Releases to All Media | 0 tonnes | | | | |
| 78-93-3 | Methyl ethyl ketone | Yes | Total Releases to Air | 1.546 tonnes | 4.939 tonnes | 2013 | -3.393 | -68.70 |

Comparison Report - On-site Releases - Reason(s) for Change

| CAS RN | Substance Name | Reason(s) for Change | Other Reason |
|----------|-----------------------------------|--|---|
| 78-93-3 | Methyl ethyl ketone | Other | Improved inventory control by production. |
| NA - M16 | Volatile Organic Compounds (VOCs) | Increase in production levels Other | Change in product mix |

Comparison Report - Transfers off-site for Recycling

| CAS RN | Substance Name | Is Breakdown | Category | Quantity | Last Reported Quantity | Reporting Period of Last Reported Quantity | Change | % Change |
|---------|---------------------|--------------|--|--------------|------------------------|--|--------|----------|
| 78-93-3 | Methyl ethyl ketone | No | Total off-site Transfers for Recycling | 1.368 tonnes | 1.701 tonnes | 2013 | -0.333 | -19.58 |

Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

| CAS RN | Substance Name | Reason(s) for Change | Other Reason |
|---------|---------------------|----------------------|--|
| 78-93-3 | Methyl ethyl ketone | Other | Less volume of solvent sent for for recycling. |

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 |
|------------|---------------------------------|---|
| 64-17-5 | Ethanol | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| 141-78-6 | Ethyl acetate | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| NA - 31 | Heptane (all isomers) | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| 67-63-0 | Isopropyl alcohol | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| 78-93-3 | Methyl ethyl ketone | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| 110-54-3 | n-Hexane | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |
| 64742-89-8 | Solvent naphtha light aliphatic | Wikoff prides itself on technological innovation in order to supply inks, coatings and varnishes in an environmentally responsible manner. Wikoff will strive to eliminate the use of toxic substances at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time. |

Progress on TRA Plan - Targets

| CAS RN | Substance Name | Quantity | Years | Description of Target |
|---------|----------------|--------------------|--------------------|-----------------------|
| 64-17-5 | Ethanol | No quantity target | No timeline target | |

| CAS RN | Substance Name | Quantity | Years | Description of Target |
|------------|---------------------------------|--------------------|--------------------|--|
| 141-78-6 | Ethyl acetate | No quantity target | No timeline target | |
| NA - 31 | Heptane (all isomers) | 2.35 tonnes | 1 | Wikoff Color has begun or is underway completing product reformulations to reduce and/or eliminate the use of Heptane in specific formulations. Heptane reduction is based on reformulation of a specific lacquer that will eliminate it from the formula. Customer acceptance is pending. For the reformulation of Heptane, solvent reduction will be 2.354 tonnes from a total usage of 13.993 tonnes (17%) in 2012. |
| 67-63-0 | Isopropyl alcohol | No quantity target | No timeline target | |
| 78-93-3 | Methyl ethyl ketone | 23.88 tonnes | 1 | Wikoff Color has begun or is underway completing product reformulations to reduce and/or eliminate the use of Methyl Ethyl Ketone in specific formulations. Methyl Ethyl Ketone reduction is based on reformulation of a high volume lacquer that will eliminate it. Customer evaluation and approval is pending. For the reformulation of Methyl Ethyl Ketone there is a 23.883 tonnes per year (65 percent estimated reduction of usage based on data from 2012). The usage will be reduced from 36.696 tonnes to 12.813 tonnes. |
| 110-54-3 | n-Hexane | 3.35 tonnes | 1 | Wikoff Color has begun or is underway completing product reformulations to reduce and/or eliminate the use of n-Hexane in specific formulations. Hexane is used in one formulation and it has been eliminated from it. Customer approval is pending as the revised formula will be tested in their process. For the reformulation of n-Hexane, usage from 3.353 tonnes in 2012 will change to zero if approval is received. |
| 64742-89-8 | Solvent naphtha light aliphatic | No quantity target | No timeline target | |

Progress on TRA Plan - Description

| CAS RN | Substance Name | Quantity | Years | Description of Target |
|------------|---------------------------------|--------------------|--------------------|-----------------------|
| 64-17-5 | Ethanol | No quantity target | No timeline target | |
| 141-78-6 | Ethyl acetate | No quantity target | No timeline target | |
| NA - 31 | Heptane (all isomers) | No quantity target | No timeline target | |
| 67-63-0 | Isopropyl alcohol | No quantity target | No timeline target | |
| 78-93-3 | Methyl ethyl ketone | No quantity target | No timeline target | |
| 110-54-3 | n-Hexane | No quantity target | No timeline target | |
| 64742-89-8 | Solvent naphtha light aliphatic | No quantity target | No timeline target | |

Progress on TRA Plan - Toxic Reduction Options Implemented

| CAS RN | Substance Name | Activity | Steps that were taken in the reporting period to implement the toxic reduction option | Public summary of the description of the steps | Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period | Public summary of the comparison of the steps |
|----------|-----------------------|--------------------------------|---|---|--|---|
| NA - 31 | Heptane (all isomers) | Modified design or composition | New product free of Heptane was submitted for customer approval. | Modified composition of product was submitted to the customer for approval. | The plan was followed. | Modified composition of product was submitted to the customer for approval. |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | Reformulated product was free of MEK, it was submitted to the customer for approval. | Reformulated product did not contain MEK, customer was to approve new product. | The plan was followed. | Reformulated product did not contain MEK, customer was to approve new product. |
| 110-54-3 | n-Hexane | Modified design or composition | Reformulated product was submitted customer. | Reformulated product was submitted to customer but no action was taken by the customer during reporting year. | Wikoff followed its stated plan. | Reformulated product was submitted to customer but no action was taken by the customer during reporting year. |

Progress on TRA Plan - Reductions due to Options Implemented - Product design or reformulation

| CAS RN | Substance Name | Activity | Reductions due to Options Implemented | Quantity |
|---------|-----------------------|--------------------------------|--|-----------|
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described: | 4 tonnes |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described: | No Amount |
| NA - 31 | Heptane (all isomers) | Modified design or composition | The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| | | | | |

| CAS RN | Substance Name | Activity | Reductions due to Options Implemented | Quantity |
|----------|---------------------|--------------------------------|--|-----------|
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 78-93-3 | Methyl ethyl ketone | Modified design or composition | The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described: | No Amount |
| 110-54-3 | n-Hexane | Modified design or composition | The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described: | No Amount |

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 |
|------------|---------------------------------|--|--|--|
| 64-17-5 | Ethanol | No | | |
| 141-78-6 | Ethyl acetate | No | | |
| NA - 31 | Heptane (all isomers) | No | | |
| 67-63-0 | Isopropyl alcohol | No | | |
| 78-93-3 | Methyl ethyl ketone | No | | |
| 110-54-3 | n-Hexane | No | | |
| 64742-89-8 | Solvent naphtha light aliphatic | No | | |

Progress on TRA Plan - Reductions due to additional actions taken

| CAS RN | Substance Name | Reductions due to additional actions taken | Quantity |
|---------|----------------|---|----------|
| 64-17-5 | Ethanol | The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. | |
| 64-17-5 | Ethanol | The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. | |

[illegible]

| CAS RN | Substance Name | Reductions due to additional actions taken | Quantity |
|------------|---------------------------------|---|----------|
| 110-54-3 | n-Hexane | The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. | |
| 110-54-3 | n-Hexane | The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the additional actions. | |
| 64742-89-8 | Solvent naphtha light aliphatic | The amount of reduction in the substance recycled off-site 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 |
|------------|---------------------------------|--|---|--|
| 64-17-5 | Ethanol | No | | |
| 141-78-6 | Ethyl acetate | No | | |
| NA - 31 | Heptane (all isomers) | No | | |
| 67-63-0 | Isopropyl alcohol | No | | |
| 78-93-3 | Methyl ethyl ketone | No | | |
| 110-54-3 | n-Hexane | No | | |
| 64742-89-8 | Solvent naphtha light aliphatic | 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

Certifying Official (or authorized delegate)

Martin Hambrock

Report Submitted by

David Anonen

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 30/05/2015, I, Martin Hambrock, 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

78-93-3

Methyl ethyl ketone

NA - M16

Volatile Organic Compounds (VOCs)

Exit Record Certification Statement

As of 30/05/2015, I Martin Hambrock, 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 WIKOFF COLOR CORPORATION - CANADA INC. and am familiar with their contents and to my knowledge they are factually accurate.

TRA Exit Record Substances

CAS RN

Substance Name

67-64-1

Acetone

Company Name

Wikoff Color Corp. Canada

Highest Ranking Employee

Martin Hambrock

Report Submitted by

David Anonen

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

2014

30/05/2015

WIKOFF COLOR
CORPORATION -
CANADA INC.

Ontario

Vaughan

NPRI, ON MOE
TRA, ON MOE

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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