

**ONTARIO TOXICS REDUCTION ACT
ANNUAL PUBLIC REPORT – 2016**

COMPANY DATA:

Parent Company:
The Valspar Corporation
Global Headquarters and Applied Science and Technology Center
1101 South Third Street
Minneapolis, MN 55415-1211
Reporting Facility:
Valspar Inc.
1915 Second Street West
Cornwall, Ontario
K6H 5T1

| | |
|--|---|
| National Pollutant Release Inventory Identification Number | 1353 |
| Provincial Identifier | 6899 |
| Primary Industrial Classification (North American Industrial Classification System, NAICS) code | 325510 |
| Geographical Co-ordinates (Datum 1983) | Latitude: 45.0117 Longitude: -74.7773 |
| Technical contact person | Mike Livermore HSE Consultant (613) 932-5192 |
| Number of Full-time employees | 76 |

Phase 1 Substances:

| Substance | Methanol | Toluene | Xylene | Ethylbenzene |
|-------------------------------------|----------------------------|----------------------------|----------------------------|-------------------------|
| CAS Number | 67-56-1 | 108-88-3 | 1330-20-7 | 100-41-4 |
| Usage (kgs) | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 10,000 – 100,000 |
| Contained in product (kgs) | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 10,000 – 100,000 |
| On-site release to air (kgs) | 1,739 | 5,162 | 4,234 | 752 |
| Offsite transfer (kgs) | 2,230 | 3,710 | 15,580 | 0 |

Phase 2 substances

| Substance | 2-Butoxy ethanol | Isobutyl Alcohol | Isopropyl Alcohol | Methyl Ethyl Ketone | Methyl Isobutyl Ketone |
|------------------------------|------------------|---------------------|---------------------|---------------------|------------------------|
| CAS Number | 111-76-2 | 78-83-1 | 67-63-0 | 78-93-3 | 108-10-1 |
| Usage (kgs) | 10,000 – 100,000 | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 10,000 – 100,000 |
| Contained in product (kgs) | 10,000 – 100,000 | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 100,000 – 1,000,000 | 10,000 – 100,000 |
| On-site release to air (kgs) | 220 | 2247 | 2361 | 5247 | 946 |
| Offsite transfer (kgs) | 0 | 0 | 3710 | 15960 | 0 |

Reg 127 Substances

| Substance | Acetone |
|------------------------------|---------------------|
| CAS Number | 67-64-1 |
| Usage (kgs) | 100,000 – 1,000,000 |
| Contained in product (kgs) | 100,000 – 1,000,000 |
| On-site release to air (kgs) | 8214 |
| Offsite transfer (kgs) | 5570 |

| Substance | CAS# | Used | | | | Contained in Product | | | | Air | | | | Disposal/Recycle ² | | | |
|------------------------|-----------|--------------|--------------|-----------------------|--------|----------------------|--------------|-----------------------|--------|-------|-------|----------|--------|-------------------------------|------|----------|--------|
| | | 2016 | 2015 | Qty diff ¹ | % diff | 2016 | 2015 | Qty diff ¹ | % diff | 2016 | 2015 | Qty diff | % diff | 2016 | 2015 | Qty diff | % diff |
| | | | | | | | | | | | | | | | | | |
| Acetone | 67-64-1 | 100- 1000 | 100- 1000 | 1-10 | +1.1 | 100- 1000 | 100- 1000 | 1-10 | +1.1 | 8.214 | 7.386 | +0.828 | -11.2 | 0 | 6.0 | -6.0 | -100.0 |
| Methanol | 67-56-1 | 10- 100 | 100- 1000 | 10- 100 | -24.3 | 10- 100 | 100- 1000 | 10- 100 | -24.3 | 1.739 | 2.285 | -0.546 | -23.9 | 2.226 | 2.0 | +0.226 | +11.3 |
| Isopropanol | 67-63-0 | 100- 1000 | 100- 1000 | 10- 100 | -7.0 | 100- 1000 | 100- 1000 | 10- 100 | -7.0 | 2.361 | 2.069 | +0.292 | +14.1 | 3.711 | 4.0 | -0.289 | -7.2 |
| Toluene | 108-88-1 | 100- 1000 | 100- 1000 | 10- 100 | -24.1 | 100- 1000 | 100- 1000 | 10- 100 | -24.1 | 5.467 | 7.107 | -1.640 | -23.1 | 3.711 | 4.0 | -0.289 | -7.2 |
| Xylene | 1330-20-7 | 100- 1000 | 100- 1000 | 10- 100 | -15.8 | 100- 1000 | 100- 1000 | 10- 100 | -15.8 | 3.575 | 4.244 | -0.669 | -15.8 | 15.584 | 16.0 | -0.416 | -2.6 |
| Ethylbenzene | 100-41-4 | 10- 100 | 10- 100 | 1-10 | -15.8 | 10- 100 | 100- 1000 | 1-10 | -15.8 | 0.752 | 0.892 | 0.140 | -15.8 | 0 | 0 | 0 | 0 |
| 2-butoxyethanol | 111-76-2 | 10- 100 | 10- 100 | 1-10 | -15.2 | 10- 100 | 100- 1000 | 1-10 | -15.2 | 0.220 | 0.259 | -0.039 | -15.0 | 0 | 0 | 0 | 0 |
| Methyl Ethyl Ketone | 78-93-3 | 100- 1000 | 100- 1000 | 10- 100 | -53.4 | 100- 1000 | 100- 1000 | 10- 100 | -53.4 | 5.247 | 8.567 | -3.320 | -38.8 | 15.957 | 16.0 | -0.073 | -0.5 |
| Methyl Isobutyl Ketone | 108-10-1 | 10- 100 | 10- 100 | 1-10 | -14.8 | 10- 100 | 100- 1000 | 1-10 | -14.8 | 0.946 | 1.110 | -0.164 | -14.8 | 0 | 0 | 0 | 0 |
| Isobutyl Alcohol | 78-83-1 | 100- 1000 | 100- 1000 | 1-10 | +2.8 | 100- 1000 | 100- 1000 | 1-10 | +2.8 | 2.247 | 2.188 | +0.059 | +2.7 | 0 | 0 | 0 | 0 |
| N-Butyl Acetate | 123-86-4 | 100- 1000 | 100- 1000 | 10- 100 | -4.6 | 100- 1000 | 100- 1000 | 10- 100 | -4.6 | 8.614 | 9.024 | -0.410 | -4.5 | 0 | 7.0 | -7.0 | +100.0 |
| Ethyl Acetate | 141-78-6 | 10- 100 | 10- 100 | 1-10 | -30.0 | 10- 100 | 100- 1000 | 1-10 | -30.0 | 1.052 | 1.507 | -0.455 | -30.0 | 0 | 1.0 | -1.0 | +100.0 |
| Ethyl Alcohol | 64-17-5 | 100- 1000 | 100- 1000 | 10- 100 | -1.9 | 100- 1000 | 100- 1000 | 10- 100 | -1.9 | 4.332 | 4.415 | -0.083 | -1.9 | 0 | 3.0 | -3.0 | +100.0 |

Note 1: All quantities are given in tonnes

Note 2: Given numbers for disposal/recycle are based on information received from waste vendors in 2015 and 2016. Some of the flammable liquid waste shipped to the waste vendors would be distilled and recycled while some would be incinerated.

Toxics Reduction Plans' Objectives

Where technically and economically feasible, the goal is to reduce the use of ethylbenzene, toluene, xylene (all isomers), methanol, 2-butoxyethanol, isopropyl alcohol, isobutyl alcohol, methyl ethyl ketone, methyl isobutyl ketone, n-butyl acetate, ethyl acetate, ethanol and acetone at the Cornwall facility. Reduction activities have been implemented and achieved as outlined in the timetable found in the toxic substance reduction plans. These reductions have been and will continue to be achieved with a variety of implementation strategies. The first implementation strategy is to reduce the percentage of solvent-based coatings in favour of water-based coatings. This will be contingent on customer acceptance of these water-based coatings for quality and cost. The primary solvents that will be decreased are toluene, xylene (all isomers), ethyl benzene, methanol, isobutyl alcohol, methyl ethyl ketone, methyl isobutyl ketone, ethyl acetate and n-butyl acetate. However, there may be an increase in usage of 2-butoxyethanol, ethanol and acetone as required components of water-based coatings. The second implementation strategy is to replace methanol with the less toxic ethanol in non-grain raising stains until equivalent water-based stains have gained a wider acceptance with customers. The third implementation strategy was to replace methyl ethyl ketone with acetone in some solvent-based coatings in order to achieve a lower VOC coating (acetone has been exempted as a VOC in Ontario). These strategies are on-going

Progress in Implementing Plans

Valspar Cornwall have met their targets for their first 5 year plan from 2012 to 2016. From 2015 to 2016 there was an overall reduction of 20% in total emissions. The goal for 2017 is a further 5% reduction in overall emissions.

Certification by highest ranking employee:

As of June 1st 2017, I certify that I have read the toxic substance reduction plan for the substances listed below and I am familiar with its contents, and to my knowledge the information contained herein is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 made under that Act.

Toxic Substances:

Methanol
Toluene
Xylene (all isomers)
Ethylbenzene
2-Butoxyethanol
Isobutanol
Isopropanol
Methyl Ethyl Ketone
Methyl Isobutyl Ketone
Acetone
N-Butyl Acetate
Ethyl Acetate
Ethanol
PM10
PM2.5



Mike Sullivan
Site Manager, Cornwall Facility

June 1st 2017

Date: