

Ontario Regulation 455/09 – Public Information Report for 2016

Facility Information

Sun Chemical Limited

10 West Drive
Brampton, Ontario L6T 4Y4

NAICS ID: 325910
NPRI ID: 4833
MOE ID: 7038
Location: Latitude N 43° 41' 37"
Longitude W 79° 42' 39"
Number of Employees: 146

Public Contact Information

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Plant Manager
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Reported Substances

Ethyl acetate	141-78-6
Ethyl alcohol	64-17-5
Isopropyl alcohol	67-63-0
Heptane	(all isomers)
Mineral spirits	64475-85-0
Solvent naphtha light aliphatic	64742-89-8 *removed
Stoddard solvent	8052-41-3

For the 2016 reporting year, Sun Chemical's usage of Solvent naphtha light aliphatic (CAS 64742-89-8) has been removed as we no longer meet the criteria required for reporting.

Sun Chemical Limited manufactures printing ink for a variety of applications and customers. The seven reported substances above are used in creating specific properties in inks to meet customer product requirements.

Tables 1 to 3 below summarize the quantities reportable and targeted by Sun Chemical for reduction, wherever feasible.

Table 1: Quantities Entering Facility

Substance	CAS	2016 Amount (Tonnes)	2015 Amount (Tonnes)	Change (%)
Ethyl acetate	141-78-6	>100 to 1,000	>100 to 1,000	-5.1
Ethyl alcohol	64-17-5	>1,000 to 10,000	>1,000 to 10,000	+1.3
Heptane	All isomers	>100 to 1,000	>100 to 1,000	-39.1
Isopropyl alcohol	67-63-0	>100 to 1,000	>100 to 1,000	+3.0
Stoddard solvent	8052-41-3	>10 to 100	>10 to 100	-10.0

Table 2: Quantities Contained in Product

Substance	CAS	2016 Amount (Tonnes)	2015 Amount (Tonnes)	Change (%)
Isopropyl alcohol	67-63-0	>100 to 1,000	>100 to 1,000	+3.0

Table 3: Quantities in On-site Releases

Substance	CAS	2016 Amount (Tonnes)	2015 Amount (Tonnes)	Change (%)
Ethyl acetate	141-78-6	>1 to 10	>1 to 10	-16.0
Ethyl alcohol	64-17-5	>10 to 100	>1 to 10	+47.6
Heptane	All isomers	>1 to 10	>1 to 10	-46.1
Isopropyl alcohol	67-63-0	>1 to 10	>1 to 10	-9.4
Stoddard solvent	8052-41-3	>1 to 10	>1 to 10	-20.9

For the substances that have increased in quantity, the numbers have been fueled by customer demand, and do not reflect any conscious effort from Sun to increase usage. The substances that show decreased values are driven, in part, by reduction efforts, such as continuous training of our employees, but is mainly driven by customer request and the current business market. At this time, no suitable substitutions can be made that will improve or maintain the performance and quality of the reportable substances.

Sun Chemical's Intent and Objectives

Changes have been made to increase the efficiency of our procedures to reach target goals. Procedures have also been reviewed to reduce emissions in routine maintenance as well as daily operations.

There are no recommended improvements to our equipment to aid reduction efforts as none are cost effective at this time. Suggested improvements will be revisited in future years to re-evaluate the feasibility of these projects.

Sun Chemical is committed to our long-term goal of reducing toxic substances. We are constantly looking for new ways to reduce toxic substances while improving product performance and quality, not only for ourselves, but also for our customers. Because products are constantly changing and evolving to keep up with new innovations, our reduction plans are continually reviewed to ensure we keep sustainable development a priority.

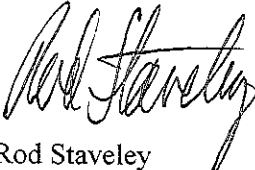
To meet these goals, employees perform periodic training on the proper use of the equipment as well as take reasonable measures to prevent any emissions that can be reduced or stopped. Emissions are determined by customer demand and the current business market and we cannot place accurate estimates or timelines on the reduction quantities.

In this reported calendar year, the reduction efforts of employees in addition to corporate decisions have brought our total solvent light aliphatic naphtha emissions below the reporting threshold.

Statement of Certification by Highest Ranking Employee

As of December 20th, 2017, I, Rod Staveley, certify that I have read the toxic substance reduction plan for the toxic substances 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 (General) made under that act.

Ethyl alcohol	64-17-5	Isopropyl alcohol	67-63-0
Ethyl acetate	141-78-6	Heptane (all isomers)	---
Mineral spirits	64475-85-0	Solvent light aliphatic naphtha	64742-89-8
Stoddard solvent	8052-41-3		



Rod Staveley
President