Ontario Regulation 455/09 – Public Information Report for 2019

Facility Information

Sun Chemical Limited
10 West Drive
Brampton, Ontario L6T 4Y4

NAICS ID: 325910
NPRI ID: 4833
MOE ID: 7038
Location: Latitude N 43^0 41' 37"
Longitude W 79^0 42' 39"
Number of Employees: 111

Public Contact Information

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Reported Substances

Ethyl acetate	141-78-6
Ethyl alcohol	64-17-5
Heptane	(all isomers)
Isopropyl alcohol	67-63-0
n-Propyl alcohol	71-23-8
Propylene glycol methyl ether acetate	108-65-6
Solvent naphtha light aliphatic	64742-89-8
Stoddard solvent	8052-41-3

n-Propyl alcohol was introduced as a new reporting requirement in 2018.

Sun Chemical Limited manufactures printing ink for a variety of applications and customers. The eight 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	2019 Amount (Tonnes)	2018 Amount (Tonnes)	Change (%)
Ethyl acetate	141-78-6	>100 to 1,000	>100 to 1,000	-16.33
Ethyl alcohol	64-17-5	>1,000 to 10,000	>1,000 to 10,000	-6.58
Heptane (all isomers)	NA-31	>10 to 100	>10 to 100	-1.82

Isopropyl alcohol	67-63-0	>100 to 1,000	>100 to 1,000	-6.55
n-Propyl alcohol	71-23-8	>1,000 to 10,000	>1,000 to 10,000	+3.61
Propylene glycol methyl ether acetate	108-65-6	>100 to 1,000	>100 to 1,000	-19.55
Solvent naphtha light aliphatic	64742-89-8	>100 to 1,000	>100 to 1,000	-6.01
Stoddard solvent	8052-41-3	>10 to 100	>10 to 100	+696.73

Table 2: Quantities Contained in Product

Substance	CAS	2019 Amount (Tonnes)	2018 Amount (Tonnes)	Change (%)
Isopropyl alcohol	67-63-0	>100 to 1,000	>100 to 1,000	-6.58

Table 3: Quantities in On-site Releases

Substance	CAS	2019 Amount (Tonnes)	2018 Amount (Tonnes)	Change (%)
Ethyl acetate	141-78-6	>1 to 10	>1 to 10	-14.81
Ethyl alcohol	64-17-5	>10 to 100	>10 to 100	-4.88
Heptane	All isomers	>1 to 10	>1 to 10	-0.03
Isopropyl alcohol	67-63-0	>1 to 10	>1 to 10	-4.76
n-Propyl alcohol	71-23-8	>10 to 100	>10 to 100	+5.49
Propylene glycol methyl ether acetate	108-65-6	>1 to 10	>1 to 10	-19.40
Solvent naphtha light aliphatic	64742-89-5	>1 to 10	>1 to 10	-4.21
Stoddard solvent	8052-41-3	>1 to 10	>0.1 to 1	+711.97

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.

Statement of Certification by Highest Ranking Employee

As of December 24, 2020, 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**
Ethyl acetate	**141-78-6**
Heptane (all isomers)	
Isopropyl alcohol	**67-63-0**
Light aliphatic naphtha	**64742-89-8**
n-Propyl alcohol	**71-23-8**
Propylene glycol methyl ether acetate	**108-65-6**
Stoddard solvent	**8052-41-3**

(Official document signed, December 24, 2020, by)
Rod Staveley
President