



# 2018 Annual Public Report Under O. Reg. 455/09

Honda of Canada Mfg.

Alliston, Ontario

May 28, 2019



# Honda of Canada Mfg. Facility Data

<b>Facility NPR ID</b>	397
<b>O. Reg. 127/01 ID</b>	6172
<b>Facility Owner/Operator</b>	Honda of Canada Mfg.
	4700 Industrial Rd.
	P.O. Box 5000
	Alliston, Ontario
	L9R 1A2
<b>Full Time Employees</b>	4300
<b>NAICS Code</b>	3361
<b>NAICs Canada Code</b>	336110
<b>Facility Public Contact</b>	Michael Broeckel
	Facilities Department/Environmental Group
	(705) 435-5561 ext 2391
<b>Highest Ranking Employee</b>	Kensuke Oe
	President
	(705) 435-5561
<b>Facility UTM Coordinates</b>	44.1470,-79.847
<b>Canadian Parent Company</b>	Honda Canada Inc.
	180 Honda Blvd.
	Markham, Ontario
	L6C 0H9

For reporting year 2018, the following substances meet the criteria for Toxics Reduction Accounting as required under O. Reg. 455/09.



CAS#	Name	CAS#	Name
95-63-6	1,2,4 trimethylbenzene	67-56-1	Methanol
108-67-8	1,3,5 trimethylbenzene	108-10-1	Methyl isobutyl ketone
111-76-2	2-Butoxy ethanol	78-93-3	Methyl ethyl ketone
**	Butyl acetate (all isomers)	11104-93-1	Nitrogen oxides (as NO2)
71-36-3	N-Butyl alcohol	**	Nitrate ion
630-08-0	Carbon monoxide	7697-37-2	Nitric acid
141-78-6	Ethyl acetate	**	PM10 (PM <= 10 microns)
100-41-4	Ethylbenzene	**	PM2.5 (PM <= 2.5 microns)
107-21-1	Ethylene glycol	**	Phosphorus (total)
**	Glycol ethers and acetates (isomers)	108-65-5	Propylene glycol methyl ether acetate
64742-94-5	Heavy aromatic solvent naphtha	7632-00-0	Sodium nitrite
**	n-Heptane	64742-89-8	Solvent naphtha light aliphatic
64742-48-9	Hydrotreated heavy naphtha	64742-88-7	Solvent naphtha medium aliphatic
64742-47-8	Hydrotreated light distillate	8052-41-3	Stoddard solvent
7647-01-0	Hydrochloric acid	108-88-3	Toluene
78-83-1	Isobutyl alcohol	8032-32-4	VM&P naphtha
67-63-0	Isopropyl alcohol	1330-20-7	Xylene
64742-95-6	Light aromatic solvent naphtha	**	Zinc (and its compounds)

Accounting information for all substances meeting the reporting threshold for the 2018 calendar year.

Name (CAS RN)	Ethylbenzene (100-41-4)	Ethylene glycol (107-21-1)	Methyl isobutyl ketone (108-10-1)	Propylene glycol monomethyl ether acetate (108-65-6)	Toluene (108-88-3)
<b>Enters Process</b>	100-1000	>1000	1-10	10-100	1-10
<b>Change from 2017</b>	11.322	6.109	-1.514	-2.776	-1.190
<b>% Change</b>	8.6	0.3	-17.4	-5.3	-13.9
<b>Reason</b>	N/A	N/A	Variation In paint formulations	N/A	Variation in paint formulations
<b>Created</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Contained in Product</b>	0	>1000	0	0	0
<b>Change from 2017</b>	0	4.059	0	0	0
<b>% Change</b>	0	0.2	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Released</b>	56.914	0.093	3.860	41.548	4.610
<b>Change from 2017</b>	14.384	0.016	-0.873	-2.443	-1.642
<b>% Change</b>	33.3	21.1	-18.4	-5.6	-26.3
<b>Disposed</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Transferred</b>	80.483	4.473	0.090	4.347	1.974
<b>Change from 2017</b>	-2.928	2.035	-0.478	-0.810	0.571
<b>% Change</b>	-3.5	83.5	-84.2	-15.7	40.7
<b>Reason (Release/ Dispose/Transfer)</b>	Increase in purge solvent use and recycle reduction	Increase in product use, timing of waste shipment	Variation in paint formulations	Variation in paint formulations	Normal variation in solvent recovery composition
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.

Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued).



Name (CAS RN)	2-butoxy ethanol (111-76-2)	Xylene (1330-20-7)	Ethyl acetate (141-78-6)	Formaldehyde (50-00-0)	Hydrotreated light distillate (64742-47-8)
<b>Enters Process</b>	10-100	100-1000	10-100	1-10	1-10
<b>Change from 2017</b>	1.304	77.468	4.942	-0.453	-0.526
<b>% Change</b>	2.3	9.9	9.9	-29.3	-5.6
<b>Reason</b>	N/A	N/A	N/A	Normal variation in paint formulations	N/A
<b>Created</b>	1-10	0	0	<1	0
<b>Change from 2017</b>	-0.023	0	0	-0.062	0
<b>% Change</b>	-0.3	0	0	-16.8	0
<b>Reason</b>	N/A	N/A	N/A	Production volume	N/A
<b>Contained in Product</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Released</b>	38.867	330.216	30.623	1.126	4.683
<b>Change from 2017</b>	3.711	90.423	7.872	-0.121	-1.245
<b>% Change</b>	10.6	37.7	34.6	-9.7	-21.0
<b>Disposed</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	N/A	N/A	N/A	N/A
<b>Transferred</b>	0.799	504.259	19.266	0.011	0.215
<b>Change from 2017</b>	-1.310	-13.109	-4.562	-0.009	-0.028
<b>% Change</b>	-62.1	-2.5	-19.2	-46.5	-11.4
<b>Reason (Release/Dispose/Transfer)</b>	Normal variation in solvent recovery composition	Increase in purge solvent use and recycle reduction	Reduction in purge solvent recycling	Normal variation in solvent recovery composition	Material and equipment change
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.

Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued).

Name (CAS RN)	Hydrotreated heavy naphtha (64742-48-9)	Solvent naphtha medium aliphatic (64742-88-7)	Heavy aromatic solvent naphtha (64742-94-5)	Light aromatic solvent naphtha (64742-95-6)	Methanol (67-56-1)
<b>Enters Process</b>	10-100	1-10	10-100	100-1000	100-1000
<b>Change from 2017</b>	-1.120	-0.400	0.757	0.621	4.754
<b>% Change</b>	-2.3	-12.5	2.1	0.5	4.7
<b>Reason</b>	N/A	Material and equipment change	N/A	N/A	N/A
<b>Created</b>	0	0	0	0	1-10
<b>Change from 2017</b>	0	0	0	0	-0.023
<b>% Change</b>	0	0	0	0	-0.3
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Contained in Product</b>	0	0	0	0	10-100
<b>Change from 2017</b>	0	0	0	0	1.185
<b>% Change</b>	0	0	0	0	1.5
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Released</b>	14.645	2.558	27.476	91.034	10.718
<b>Change from 2017</b>	1.309	-0.335	2.428	13.403	2.333
<b>% Change</b>	9.8	-11.6	9.7	17.3	27.8
<b>Disposed</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	N/A	N/A	N/A	N/A	N/A
<b>Transferred</b>	0.537	0.189	0.583	2.941	10.720
<b>Change from 2017</b>	-0.698	-0.079	-2.631	-17.019	1.094
<b>% Change</b>	-56.5	-30.0	-81.9	-85.3	11.4
<b>Reason (Release/ Dispose/Transfer)</b>	Normal variation in solvent recovery composition	Material and equipment change	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition	Increase in purge solvent use
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.

Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued).

Name (CAS RN)	Isopropyl alcohol (67-63-0)	n-Butyl alcohol (71-36-3)	Sodium nitrite (7632-00-0)	Hydrochloric Acid (7647-01-0)	Nitric Acid (7697-37-2)
<b>Enters Process</b>	10-100	10-100	10-100	10-100	10-100
<b>Change from 2017</b>	-0.992	-0.227	1.235	-0.712	11.233
<b>% Change</b>	-3.4	-0.3	4.8	-4.2	59.1
<b>Reason</b>	N/A	N/A	N/A	N/A	Normal variation in cleaning materials
<b>Created</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Contained in Product</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Released</b>	26.175	49.576	0	0	0
<b>Change from 2017</b>	-0.154	7.295	0	0	0
<b>% Change</b>	-0.6	17.3	N/A	N/A	N/A
<b>Disposed</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	N/A	N/A	N/A	N/A	N/A
<b>Transferred</b>	0.189	1.311	0	0	0
<b>Change from 2017</b>	-1.118	-9.733	0	0	0
<b>% Change</b>	-85.5	-88.1	N/A	N/A	N/A
<b>Reason (Release/Dispose/Transfer)</b>	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition			
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.



Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued).

Name (CAS RN)	Isobutanol (78-83-1)	Methyl ethyl ketone (78-93-3)	VM&P naphtha (8032-32-4)	Stoddard solvent (8052-41-3)	1,2,4-Trimethyl benzene (95-63-6)
<b>Enters Process</b>	10-100	10-100	1-10	1-10	10-100
<b>Change from 2017</b>	-1.303	3.689	-0.586	-0.421	0.425
<b>% Change</b>	-6.1	20.3	-19.7	-12.1	0.6
<b>Reason</b>	N/A	Increase in plastics painting purge use	Normal variation in paint formulations	Material and equipment change	N/A
<b>Created</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Contained in Product</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Released</b>	14.726	7.027	1.758	2.773	50.877
<b>Change from 2017</b>	0.803	3.132	0.164	-0.334	7.384
<b>% Change</b>	5.7	80.4	10.3	-10.8	17.0
<b>Disposed</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	N/A	N/A	N/A	N/A	N/A
<b>Transferred</b>	0.306	14.871	0.073	0.214	1.457
<b>Change from 2017</b>	-88.8	0.558	-0.817	-0.116	-9.026
<b>% Change</b>	240.6	3.9	-91.8	-35.2	-86.1
<b>Reason (Release/Dispose/Transfer)</b>	Variation in solvent recovery composition	Increase in plastics painting purge use	Normal variation in solvent recovery composition	Material and equipment change	Normal variation in solvent recovery composition
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.



Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued).



Name (CAS RN)	Trimethyl benzene isomers (exclude 95-63-6)	Heptane Isomers (**)	Butyl acetate (all isomers) (**)	Glycol ethers and acetates (isomers) (**)	Nitrate Ion (**)
<b>Enters Process</b>	10-100	10-100	100-1000	10-100	0
<b>Change from 2017</b>	0.044	0.125	N/A	N/A	0
<b>% Change</b>	0.3	0.1	N/A	N/A	0
<b>Reason</b>	N/A	N/A	New reportable group in 2018	New reportable group in 2018	N/A
<b>Created</b>	0	0	0	10-100	10-100
<b>Change from 2017</b>	0	0	0	N/A	5.639
<b>% Change</b>	0	0	0	N/A	27.6
<b>Reason</b>	N/A	N/A	N/A	New reportable group in 2018	N/A
<b>Contained in Product</b>	0	0	0	0	0
<b>Change from 2017</b>	0	0	0	0	0
<b>% Change</b>	0	0	0	0	0
<b>Reason</b>	N/A	N/A	N/A	N/A	N/A
<b>Released</b>	11.768	9.557	89.645	65.586	0
<b>Change from 2017</b>	1.525	0.495	N/A	N/A	0
<b>% Change</b>	14.9	5.5	N/A	N/A	N/A
<b>Disposed</b>	0	0	0	0	25.902
<b>Change from 2017</b>	0	0	0	0	5.605
<b>% Change</b>	N/A	N/A	0	0	2.4
<b>Transferred</b>	0.416	0.239	11.217	1.482	0.159
<b>Change from 2017</b>	-1.843	-0.608	N/A	N/A	0.125
<b>% Change</b>	-81.6	-71.8	N/A	N/A	27.6
<b>Reason (Release/ Dispose/Transfer)</b>	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition	New reportable group in 2018	New reportable group in 2018	Calculation method has large inherent error
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.

Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued)

Name (CAS RN)	Total Phosphorus (**)	Zinc (**)	Nitrogen oxides (as NO2) (**)	PM10 (PM <= 10 microns) (**)	PM2.5 (PM <=2.5 microns) (**)
<b>Enters Process</b>	10-100	>1000	0	0	0
Change from 2017	2.040	-0.022	0	0	0
% Change	6.2	0.0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
<b>Created</b>	0	0	10-100	1-10	1-10
Change from 2017	0	0	3.756	0.030	0.521
% Change	0	0	7.2	0.3	7.5
Reason	N/A	N/A	N/A	N/A	N/A
<b>Contained in Product</b>	1-10	>1000	0	0	0
Change from 2017	1.609	-.1653	0	0	0
% Change	26.1	0.0	0	0	0
Reason	Calculation method has large inherent error	N/A	N/A	N/A	N/A
<b>Released</b>	0	0.461	55.764	8.874	7.456
Change from 2017	0	-0.082	3.756	0.030	0.521
% Change	N/A	-15.1	7.2	0.3	7.5
<b>Disposed</b>	0.250	0.100	0	0	0
Change from 2017	.098	-0.318	0	0	0
% Change	64.1	-76.7	0	0	0
<b>Transferred</b>	26.928	23.315	0	0	0
Change from 2017	0.334	0.862	0	0	0
% Change	1.3	3.8	0	0	0
Reason (Release/Dispose/Transfer)	Calculation method has large inherent error	Calculation method has large inherent error	N/A	N/A	N/A
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.

Accounting information for all substances meeting the reporting threshold for the 2018 calendar year (continued).

Name (CAS RN)	Carbon monoxide (630-08-0)				
<b>Enters Process</b>	0				
Change from 2017	0				
% Change	0				
Reason	N/A				
<b>Created</b>	10-100				
Change from 2017	3.145				
% Change	7.5				
Reason	N/A				
<b>Contained in Product</b>	0				
Change from 2017	0				
% Change	0				
Reason	N/A				
<b>Released</b>	45.197				
Change from 2017	3.145				
% Change	7.5				
<b>Disposed</b>	0				
Change from 2017	0				
% Change	0				
<b>Transferred</b>	0				
Change from 2017	0				
% Change	0				
Reason (Release/ Dispose/Transfer)	N/A				
<b>Notes</b>	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2017. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes.



# Certification Statement

As of May 28, 2019, I certify that I have read the reports on the toxic substance reduction plans for the substances listed above 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 the Act.

*Signature on file*

Kensuke Oe, President,  
Honda of Canada Mfg.