



2019 Annual Public Report Under O. Reg. 455/09

Honda of Canada Manufacturing
Alliston, Ontario
July 20, 2020



Honda of Canada Mfg. Facility Data

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



For reporting year 2019, 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	64742-95-6	Light aromatic solvent naphtha
108-67-8	1,3,5 trimethylbenzene	67-56-1	Methanol
111-76-2	2-Butoxy ethanol	108-10-1	Methyl isobutyl ketone
**	Butyl acetate (all isomers)	78-93-3	Methyl ethyl ketone
71-36-3	N-Butyl alcohol	872-50-4	N-methyl pyrrolidone
630-08-0	Carbon monoxide	11104-93-1	Nitrogen oxides (as NO2)
141-78-6	Ethyl acetate	**	Nitrate ion
100-41-4	Ethylbenzene	7697-37-2	Nitric acid
107-21-1	Ethylene glycol	**	PM10 (PM <= 10 microns)
**	Glycol ethers and acetates (isomers)	**	PM2.5 (PM <= 2.5 microns)
64742-94-5	Heavy aromatic solvent naphtha	**	Phosphorus (total)
**	n-Heptane	108-65-5	Propylene glycol methyl ether acetate
64742-48-9	Hydrotreated heavy naphtha	7632-00-0	Sodium nitrite
64742-47-8	Hydrotreated light distillate	64742-89-8	Solvent naphtha light aliphatic
7647-01-0	Hydrochloric acid	108-88-3	Toluene
78-83-1	Isobutyl alcohol	1330-20-7	Xylene
67-63-0	Isopropyl alcohol	**	Zinc (and its compounds)



Accounting information for all substances meeting the reporting threshold for the 2019 Calendar Year is as follows.

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)
Enters Process	100-1000	>1000	1-10	10-100	1-10
Change from 2018	-19.481	-107.973	-0.818	-1.143	1.441
% Change	-13.6	-6.1	-11.4	-2.3	19.5
Reason	Reduction in purge solvent use	N/A	Variation In paint formulations	N/A	Change in paint technology
Created	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	>1000	0	0	0
Change from 2018	0	-108.758	0	0	0
% Change	0	-6.1	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	49.047	0.037	3.231	40.682	6.033
Change from 2018	-7.867	-0.056	-0.628	-0.865	1.423
% Change	-13.8	-60.3	-16.3	-2.1	30.9
Disposed	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Transferred	69.731	5.324	0.414	5.216	2.189
Change from 2018	-10.751	-8.52	-0.324	0.869	0.871
% Change	-13.4	19.0	360.9	20.0	66.0
Reason (Release/ Dispose/Transfer)	Technology change, improved solvent use	Timing of waste shipment	Variation in paint formulations	Normal variation in solvent recovery	Normal variation in solvent recovery composition
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. 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 2019 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)
Enters Process	10-100	100-1000	10-100	1-10	10-100
Change from 2018	5.132	-120.733	-2.657	0.008	1.433
% Change	8.8	-14.0	-4.8	0.7	16.1
Reason	N/A	Paint technology change, decrease in purge use	N/A	N/A	Wax formulation change
Created	1-10	0	0	<1	0
Change from 2018	-0.577	0	0	0.058	0
% Change	-6.3	0	0	19.0	0
Reason	N/A	N/A	N/A	Production volume	N/A
Contained in Product	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	44.465	282.416	28.385	1.180	6.230
Change from 2018	5.598	-47.800	-2.237	0.053	1.547
% Change	14.4	-14.5	-7.3	4.7	33.0
Disposed	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	N/A	N/A	N/A	N/A
Transferred	1.275	434.649	-18.885	0.046	0.506
Change from 2018	0.477	-69.610	-0.381	0.035	0.290
% Change	59.7	-13.8	-2.0	328.3	134.8
Reason (Release/ Dispose/Transfer)	Paint technology change	Decrease in purge solvent use and recycle	N/A	Normal variation in solvent recovery composition	Wax formulation change
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. 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 2019 Calendar Year (continued).

Name (CAS RN)	Hydrotreated heavy naphtha (64742-48-9)	Heavy aromatic solvent naphtha (64742-94-5)	Light aromatic solvent naphtha (64742-95-6)	Methanol (67-56-1)	Isopropyl alcohol (67-63-0)
Enters Process	10-100	10-100	100-1000	10-100	10-100
Change from 2018	-9.914	-2.809	-8.355	-22.795	-4.436
% Change	-20.6	-7.6	-7.0	-20.0	-15.7
Reason	Sealer and paint formulation changes	N/A	N/A	Paint formulation changes, lower purge use	Reduced parts wiping, paint formulation changes
Created	0	0	0	1-10	0
Change from 2018	0	0	0	-0.559	0
% Change	0	0	0	-6.3	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	10-100	0
Change from 2018	0	0	0	-2.088	0
% Change	0	0	0	-2.5	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	12.725	23.387	79.608	9.522	21.644
Change from 2018	-1.920	-3.578	-11.426	-1.197	-4.531
% Change	-13.1	-13.0	-12.6	-11.2	-17.3
Disposed	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	0.896	2.214	11.289	9.022	0.677
Change from 2018	0.359	1.631	8.348	-1.698	0.487
% Change	67.0	279.9	283.9	-15.8	257.5
Reason (Release/ Dispose/Transfer)	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition	Paint formulation changes, lower purge use	Normal variation in solvent recovery composition
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. 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 2019 Calendar Year (continued).

Name (CAS RN)	n-Butyl alcohol (71-36-3)	Sodium nitrite (7632-00-0)	Hydrochloric Acid (7647-01-0)	Nitric Acid (7697-37-2)	Isobutanol (78-83-1)
Enters Process	10-100	10-100	10-100	10-100	10-100
Change from 2018	9.826	-2.859	1.495	4.162	-1.798
% Change	14.9	-10.7	9.2	13.8	-9.0
Reason	N/A	Inventory variance	N/A	Normal variation in cleaning materials	N/A
Created	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	53.436	0	0	0	12.342
Change from 2018	3.860	0	0	0	-2.384
% Change	7.8	N/A	N/A	N/A	-16.2
Disposed	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	7.235	0	0	0	1.778
Change from 2018	5.924	0	0	0	1.472
% Change	452.1	N/A	N/A	N/A	481.1
Reason (Release/ Dispose/Transfer)	Normal variation in solvent recovery composition				Variation in solvent recovery composition
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. 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 2019 Calendar Year (continued).

Name (CAS RN)	Methyl ethyl ketone (78-93-3)	N-Methyl Pyrrolidone (872-50-4)	1,2,4-Trimethyl benzene (95-63-6)	Trimethyl benzene isomers (exclude 95-63-6)	Heptane Isomers (**)
Enters Process	10-100	10-100	10-100	10-100	10-100
Change from 2018	-1.708	5.747	-6.722	-0.160	-1.848
% Change	-7.8	83.6	-10.0	-1.0	-14.6
Reason	N/A	Purge solvent change, high line cleaner use	N/A	N/A	N/A
Created	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Contained in Product	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	0	0	0	0	0
Reason	N/A	N/A	N/A	N/A	N/A
Released	7.799	5.817	42.874	11.278	7.826
Change from 2018	0.772	1.112	-8.003	-0.491	-1.730
% Change	11.0	23.6	-15.7	-4.2	-18.1
Disposed	0	0	0	0	0
Change from 2018	0	0	0	0	0
% Change	N/A	N/A	N/A	N/A	N/A
Transferred	12.391	4.553	5.956	1.343	0.643
Change from 2018	-2.480	3.633	4.500	0.927	0.403
% Change	-16.7	395.1	308.9	223.1	168.6
Reason (Release/ Dispose/Transfer)	Increase in plastics painting purge use	Purge solvent change, high line cleaner use	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition	Normal variation in solvent recovery composition
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. 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 2019 Calendar Year (continued).

Name (CAS RN)	Butyl acetate (all isomers) (**)	Glycol ethers and acetates (isomers) (**)	Nitrate Ion (**)	Total Phosphorus (**)	Zinc (**)
Enters Process	100-1000	100-1000	0	10-100	>1000
Change from 2018	-1.067	22.608	0	-6.375	-155.630
% Change	-0.9	25.0	0	-18.2	-6.1
Reason	N/A	New paint technology	N/A	N/A	N/A
Created	0	10-100	10-100	0	0
Change from 2018	0	-5.425	-8.421	0	0
% Change	0	-6.4	-31.4	0	0
Reason	N/A	N/A	Change in raw material	Change in raw material	N/A
Contained in Product	0	0	0	1-10	>1000
Change from 2018	0	0	0	15.908	-156.899
% Change	0	0	0	204.4	-6.2
Reason	N/A	N/A	N/A	Calculation method has large inherent error	N/A
Released	89.194	72.451	0	0	0.461
Change from 2018	-0.450	6.865	0	0	0.063
% Change	-0.5	10.5	N/A	N/A	13.6
Disposed	0	0	18.284	0.683	0.066
Change from 2018	0	0	-8.349	0.433	-0.034
% Change	0	0	-31.3	173.7	-34.3
Transferred	14.576	19.455	0.086	4.212	24.379
Change from 2018	3.359	17.973	-0.073	-22.715	1.064
% Change	29.9	1213.0	-45.9	-84.4	4.6
Reason (Release/ Dispose/Transfer)	Normal variation in solvent recovery	Normal variation in solvent recovery	Change in raw material	Calculation method has large inherent error	Calculation method has large inherent error
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. 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 2019 Calendar Year (continued)

Name (CAS RN)	Nitrogen oxides (as NO2) (**)	PM10 (PM <= 10 microns) (**)	PM2.5 (PM <=2.5 microns) (**)	Carbon monoxide (630-08-0)	
Enters Process	0	0	0	0	
Change from 2018	0	0	0	0	
% Change	0	0	0	0	
Reason	N/A	N/A	N/A	N/A	
Created	10-100	1-10	1-10	10-100	
Change from 2018	5.644	-0.862	-1.355	3.909	
% Change	10.1	-9.7	-18.2	8.6	
Reason	Increase natural gas	N/A	N/A	N/A	
Contained in Product	0	0	0	0	
Change from 2018	0	0	0	0	
% Change	0	0	0	0	
Reason	N/A	N/A	N/A	N/A	
Released	61.408	8.012	6.101	49.105	
Change from 2018	3.756	-0.862	-1.355	3.909	
% Change	7.2	-9.7	-18.2	8.6	
Disposed	0	0	0	0	
Change from 2018	0	0	0	0	
% Change	0	0	0	0	
Transferred	0	0	0	0	
Change from 2018	0	0	0	0	
% Change	0	0	0	0	
Reason (Release/ Dispose/Transfer)	Increase in natural gas combustion	N/A	Less paint particulate emissions	N/A	
Notes	There were no plan objectives set. Refer to Plan Summaries for details. There were no significant process changes or calculation method changes in 2018. All values are in tonnes. Reason for change is documented if change is >10%.				

All units in metric tonnes



Certification Statement

As of July 20, 2020, 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

Isao Matsuzaki, President,
Honda of Canada Mfg.