

TEVA 30 Novopharm Court, Toronto - ESDM Report (2017)
Emission Summary Table

Contaminant	CAS No.	Total Facility Emission Rate (g/s)	Maximum POI Concentration (ug/m ³)	Averaging Period (hours)	MOECC POI Limit (ug/m ³)	Limiting Effect	Regulation Schedule ⁽¹⁾	Percentage of MOECC POI Limit (%)
Nitrogen Oxides (NOx)	10102-44-0	2.5E-01	28.1	1/2 hour	500	Health	Standard	6%
Particulate Matter	N/A	5.7E-04	0.1	1/2 hour	100	Particulate	Guideline	< 1%
Ammonium	7664-41-7	9.5E-04	0.1	1/2 hour	300	Health	Standard	< 1%
Hydrochloric acid	7647-01-0	7.3E-02	8.1	1/2 hour	60	Health	Standard	14%
1,Butanol	71-36-3	6.7E-04	0.1	1/2 hour	1,540	Odour	Guideline	< 1%
Chloroform	67-66-3	2.1E-03	0.2	1/2 hour	3	Health	Standard	8%
2-Propanol	67-63-0	1.5E-01	17.2	1/2 hour	22,000	Health	Standard	< 1%
Methanol	67-56-1	1.2E+00	135.4	1/2 hour	12,000	Health	Standard	1%
Heptane	142-82-5	2.3E-02	2.6	1/2 hour	33,000	Health	Standard	< 1%
Xylene	1330-20-7	1.7E-03	0.2	1/2 hour	2,200	Health	Standard	< 1%
N-Hexane	110-54-3	1.9E-03	0.2	1/2 hour	22,500	Health	Standard	< 1%
Tetrahydrofuran	109-99-9	2.1E-02	2.3	1/2 hour	93,000	Odour	Guideline	< 1%
Ethylene Chloride	107-06-2	2.7E-03	0.3	1/2 hour	6	Health	Standard	5%
Ethyl Acetate	141-78-6	2.9E-03	0.3	1/2 hour	19,000	Odour	Standard	< 1%
Acetic Acid	64-19-7	3.7E-02	4.1	1/2 hour	2,500	Odour	Standard	< 1%
Ethyl Ether	60-29-7	9.4E-04	0.1	1/2 hour	700	Odour	Standard	< 1%
Sulfur Dioxide	7446-09-5	1.5E-03	0.2	1/2 hour	830	Health	Standard	< 1%
Acetonitrile	75-05-8	3.9E-01	43.2	1/2 hour	210	Health	Standard	21%
Propanol	71-23-8	2.6E-03	0.3	1/2 hour	48,000	Health	Guideline	< 1%
Ethanol	64-17-5	1.2E-02	1.4	1/2 hour	19,000	Odour	Guideline	< 1%
Pyridine	110-86-1	2.6E-03	0.3	1/2 hour	60	Odour	Guideline	< 1%
2-(2-Methoxyethoxy) Ethanol	111-77-3	4.9E-03	0.6	1/2 hour	800	Odour	Guideline	< 1%
Dimethylacetamide	127-19-5	9.5E-03	1.1	1/2 hour	900	Health	Guideline	< 1%
Talc	14807-96-6	5.7E-04	0.1	1/2 hour	5	Health	Guideline	1%
Calcium stearate	1592-23-0	5.7E-04	0.1	1/2 hour	100	Particulate	Guideline	< 1%
Haloperidol	52-86-8	5.7E-04	0.1	1/2 hour	0.3	Health	Guideline	21%
Magnesium stearate	557-04-0	5.7E-04	0.1	1/2 hour	100	Particulate	Guideline	< 1%
Citric acid	77-92-9	5.7E-04	0.1	1/2 hour	100	Particulate	Guideline	< 1%
Triethylamine	121-44-8	6.8E-04	0.1	1/2 hour	105	Health	SL-MD	< 1%
Dimethylformamide	68-12-2	9.6E-03	1.1	1/2 hour	450	Health	SL-JSL	< 1%
Silicon dioxide	112945-52-5	5.7E-04	0.1	1/2 hour	30.00	Health	SL-JSL	< 1%
Magnesium hydroxide	1309-42-8	5.7E-04	0.1	1/2 hour	60	Health	SL-JSL	< 1%
Sodium bicarbonate	144-55-8	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Acetyl Salicylic Acid	50-78-2	5.7E-04	0.1	1/2 hour	8	Health	SL-JSL	< 1%
Lactose anhydrous	63-42-3	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%
amorphous silicon dioxide	7631-86-9	5.7E-04	0.1	1/2 hour	15	Health	SL-MD	< 1%
Crospovidone	9003-39-8	5.7E-04	0.1	1/2 hour	60	Health	SL-JSL	< 1%
Microcrystalline cellulose	9004-34-6	5.7E-04	0.1	1/2 hour	360	Health	SL-JSL	< 1%
Dextrin	9004-53-9	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Starch	9005-25-8	5.7E-04	0.1	1/2 hour	360	Health	SL-JSL	< 1%
Iron Oxide Red	1309-37-1	5.7E-04	0.1	1/2 hour	75	Soiling	Standard	< 1%
Sodium lauryl sulfate	151-21-3	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Glyceryl Monostearate	31566-31-1	5.7E-04	0.1	1/2 hour	15	Health	SL-JSL	< 1%
Metoprolol Tartrate	56392-17-7	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Sodium citrate dihydrate	6132-04-3	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Famotidine	76824-35-6	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Tromethamine	77-86-1	5.7E-04	0.1	1/2 hour	33	Health	SL-PA	< 1%
Powdered guar gum type MM	9000-30-0	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Dibutyl Sebacate	109-43-3	5.7E-04	0.1	1/2 hour	15	Health	SL-JSL	< 1%
Maleic acid	110-16-7	5.7E-04	0.1	1/2 hour	1.5	Health	SL-JSL	4%
Sodium hydroxide	1310-73-2	5.6E-04	0.1	1/2 hour	20	Corrosion	Guideline	< 1%
Sorbitan Monolaurate	1338-39-2	5.7E-04	0.1	1/2 hour	150	Health	SL-JSL	< 1%
Ibuprofen	15687-27-1	5.7E-04	0.1	1/2 hour	7.5	Health	SL-JSL	< 1%
Cetyl alcohol	36653-82-4	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
1,2,3-Propanetriol	56-81-5	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%
Propylene Glycol	57-55-6	5.7E-04	0.1	1/2 hour	100	Particulate	Guideline	< 1%
A-Tocopherol Acetate	7695-91-2	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Tiethyl Citrate	77-93-0	5.7E-04	0.1	1/2 hour	435	Health	SL-JSL	< 1%
Tributyl Citrate	77-94-1	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%
Carnauba wax	8015-86-9	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%
Ethylecellulose	9004-57-3	5.7E-04	0.1	1/2 hour	50	Health & Particulate	SL-MD	< 1%
Polyoxyethylene (20) sorbitan monolaurate	9005-64-5	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%
Polyoxyethylene 20 sorbitan monooleate	9005-65-6	5.7E-04	0.1	1/2 hour	150	Health	SL-JSL	< 1%
Dimethicone	9006-65-9	5.7E-04	0.1	1/2 hour	150	Health	SL-JSL	< 1%
Formamide	75-12-7	1.5E-03	0.2	1/2 hour	270	Health	SL-JSL	< 1%
2,6-di-tert-Butyl-p-cresol	128-37-0	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%
Calcium Silicate	1344-95-2	5.7E-04	0.1	1/2 hour	360	Health	SL-JSL	< 1%
Calcium carbonate	471-34-1	5.7E-04	0.1	1/2 hour	45	Health & Particulate	SL-JSL	< 1%
Methyl Paraben	99-76-3	5.7E-04	0.1	1/2 hour	100	Health & Particulate	SL-MD	< 1%

Notes:

(1) The POI limits and screening levels in MOECC new guide "Air Contaminants Benchmarks List (ACB List): standards, guidelines and screening levels for assessing point of impingement concentrations of air contaminants" are used as the criteria.

SL-JSL: Jurisdictional Screening Level; SL-MD: Ministry-derived Screening Levels; SL-PA: Previously Accepted Screening Levels

(2) If there are no related MOECC standards for contaminants, a de-minimus evaluation approach was used to assess the significance of these contaminants. Based on Table B-2A in Appendix B of the MOECC ESDM Procedure Document, a substance that does not have a MOECC POI limit and is not listed in Table B-2B, it can be considered insignificant if its predicted impact is below 0.3 ug/m³ for a half-hour average period.