PRTR Data for Individual Sites (FY2020)

We have calculated the top ten PRTR substances emitted by Mitsui Chemicals at each of our Works (substances handled in annual volumes of at least one ton), and figures for dioxins.

Unit: Tons/year (Dioxins: mg-TEQ/year)

Ichihara Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
N-Hexane	392	167.76	0.00	0.00	167.76	0.00	28.57
Toluene	300	18.06	0.00	0.00	18.06	0.00	2.56
Cumene	83	12.84	0.00	0.00	12.84	0.00	0.00
Xylene	80	8.86	0.00	0.00	8.86	0.00	0.17
Ethylbenzene	53	6.40	0.00	0.00	6.40	0.00	0.14
Epichlorohydrin	65	2.14	0.00	0.00	2.14	0.00	0.00
Zinc compounds(water-soluble)	1	0.00	1.26	0.00	1.26	0.00	0.00
Hydrogen fluoride and its water-soluble salt	374	0.00	0.96	0.00	0.96	0.00	0.00
Benzene	400	0.82	0.01	0.00	0.82	0.00	1.37
HCFC-123	164	0.55	0.00	0.00	0.55	0.00	0.00

Mobara Branch Factory

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Styrene	240	0.11	0.00	0.00	0.11	0.00	0.00
Methyl methacrylate	420	0.07	0.00	0.00	0.07	0.00	0.00
N-Butyl acrylate	7	0.03	0.00	0.00	0.03	0.00	0.00
Xylene	80	0.02	0.00	0.00	0.02	0.00	0.00
Acrylic acid	4	0.01	0.00	0.00	0.01	0.00	0.00
N-Butyl methacrylic	419	0.01	0.00	0.00	0.01	0.00	0.00

Nagoya Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Acrylonitrile	9	0.01	37.66	0.00	37.67	37.66	137.82
1,2 - Epoxypropane	68	1.14	1.49	0.00	2.63	1.49	0.19
Styrene	240	0.29	2.06	0.00	2.35	2.06	8.27
Toluene	300	1.48	0.00	0.00	1.48	0.00	46.99
Xylene	80	0.26	0.00	0.00	0.26	0.00	5.53
Ethylbenzene	53	0.26	0.00	0.00	0.26	0.00	5.50
Ethylene oxide	56	0.14	0.11	0.00	0.25	0.11	0.04
N,N-Dimethylformamide	232	0.01	0.00	0.00	0.01	0.00	2.72
Phenol	349	0.00	0.00	0.00	0.00	0.00	75.18

Osaka Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
chloroethylene	94	31.19	0.10	0.00	31.29	0.00	0.00
Cumene	83	16.74	0.00	0.00	16.74	0.00	0.03
Dicyclopentadiene	190	5.22	0.00	0.00	5.22	0.00	0.00
Benzene	400	4.53	0.01	0.00	4.54	0.00	0.00
Zinc compounds(water-soluble)	1	0.00	3.89	0.00	3.89	0.00	0.15
Toluene	300	3.10	0.01	0.00	3.12	0.00	2.64
Trichlorofluoromethane	288	2.43	0.00	0.00	2.43	0.00	0.00
Methyl methacrylate	420	2.33	0.00	0.00	2.33	0.00	12.87
α- methylstyrene	436	1.52	0.00	0.00	1.52	0.00	0.00
Acrylonitrile	9	1.51	0.00	0.00	1.52	0.00	3.60
Dioxins	243	0.00	0.02	0.00	0.03	0.00	0.09

Iwakuni-Ohtake Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
N-Hexane	392	164.36	0.00	0.00	164.36	0.00	0.00
Xylene	80	22.51	0.00	0.00	22.51	0.00	0.02
Toluene	300	21.37	0.02	0.00	21.39	0.00	0.00
1,4-Dioxane	150	0.00	4.46	0.00	4.46	0.00	0.00
Bromomethane	386	4.17	0.00	0.00	4.17	0.00	0.00
Benzene	400	2.56	0.00	0.00	2.56	0.00	0.00
Acetaldehyde	12	0.74	0.00	0.00	0.74	0.00	0.00
Cumene	83	0.36	0.00	0.00	0.36	0.00	0.00
Ethylbenzene	53	0.23	0.00	0.00	0.23	0.00	0.00
Phenol	349	0.01	0.14	0.00	0.15	0.00	0.00
Dioxins	243	0.00	0.05	0.00	0.05	0.00	19.13

Omuta Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Toluene	300	202.67	0.18	0.00	202.85	0.00	670.80
Dichlorobenzene	181	54.05	0.65	0.00	54.70	0.00	305.66
Toluene	300	18.70	0.00	0.00	18.70	0.00	0.00
Dicyclopentadiene	190	10.17	0.00	0.00	10.17	0.00	5.63
Formaldehyde	411	0.00	9.39	0.00	9.39	0.00	1.79
Epichlorohydrin	65	6.52	0.00	0.00	6.52	0.00	0.00
N,N-Dimethylformamide	232	0.14	5.71	0.00	5.85	0.00	0.00
Phenol	349	1.74	0.00	0.00	1.74	0.00	0.69
Acetonitrile	13	0.00	0.50	0.00	0.50	0.00	0.00
Cresol	86	0.47	0.00	0.00	0.47	0.00	1.59
Dioxins	243	0.00	0.38	0.00	0.38	0.00	0.00

Sodegaura Center

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
N-Hexane	392	0.28	0.00	0.00	0.28	0.00	3.06
Dichlorobenzene	181	0.11	0.00	0.00	0.11	0.00	1.20
Dichloromethane	186	0.08	0.00	0.00	0.08	0.00	1.39
Xylene	80	0.02	0.00	0.00	0.02	0.00	2.70
Tolylene Diisocyanate	298	0.00	0.00	0.00	0.00	0.00	0.87