

PRTR Data for Individual Sites

Mitsui Chemicals Group ESG Report 2018

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	132.31	0.00	0.00	132.31	0.00	23.95
Toluene	300	18.11	0.01	0.00	18.12	0.00	9.26
Xylene	80	5.90	0.01	0.00	5.91	0.00	1.44
Cumene	83	4.14	0.01	0.00	4.14	0.00	0.00
Ethylbenzene	53	3.91	0.00	0.00	3.91	0.00	1.12
Epichlorohydrin	65	2.53	0.00	0.00	2.53	0.00	0.00
Benzene	400	2.01	0.01	0.00	2.01	0.00	7.35
Zinc compounds (water-soluble)	1	0.00	1.25	0.00	1.25	0.00	0.00
Hydrogen fluoride and its water-soluble salt	374	0.00	1.04	0.00	1.04	0.00	0.00
Phenol	349	0.29	0.15	0.00	0.44	0.00	0.00

Iwakuni-Ohtake Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
N-Hexane	392	200.40	0.00	0.00	200.40	0.00	0.00
Xylene	80	25.51	0.00	0.00	25.51	0.00	0.00
Toluene	300	20.38	0.02	0.00	20.40	0.00	0.00
1,4-Dioxane	150	0.00	7.00	0.00	7.00	0.00	0.00
Bromomethane (also called Methyl bromide)	386	4.85	0.00	0.00	4.85	0.00	0.00
Benzene	400	3.00	0.00	0.00	3.00	0.00	0.00
Acetaldehyde	12	0.93	0.00	0.00	0.93	0.00	0.00
Cumene/Isopropyl benzene	83	0.39	0.00	0.00	0.39	0.00	0.00
Phenol	349	0.01	0.16	0.00	0.17	0.00	0.00
Cresol	86	0.10	0.00	0.00	0.10	0.00	0.00
Dioxins	243	0.0020	0.2480	0.0000	0.2500	0.0000	7.4560

Mobara Branch Factory

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Styrene	240	0.10	0.00	0.00	0.10	0.00	0.00
N-Butyl methacrylate	7	0.03	0.00	0.00	0.03	0.00	0.00
Methyl methacrylate	420	0.02	0.00	0.00	0.02	0.00	0.00
Acrylic acid	4	0.02	0.00	0.00	0.02	0.00	0.00
Methacrylic acid n-butyl	419	0.01	0.00	0.00	0.01	0.00	0.00
Xylene	80	0.00	0.00	0.00	0.00	0.00	0.00

Omuta Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Toluene	300	221.29	0.21	0.00	221.51	0.00	352.28
Dichlorobenzene	181	25.97	0.31	0.00	26.28	0.00	207.00
Toluene (Yotsuyama area)	300	20.52	0.00	0.00	20.52	0.00	0.00
Epichlorohydrin	65	6.51	0.00	0.00	6.51	0.00	0.00
N,N-Dimethylformamide	232	0.14	5.81	0.00	5.95	0.00	0.00
Dicyclopentadiene	190	4.67	0.00	0.00	4.67	0.00	9.45
Formaldehyde	411	0.00	2.08	0.00	2.08	0.00	1.23
Phenol	349	1.74	0.00	0.00	1.74	0.00	0.71
Acetonitrile	13	0.00	0.55	0.00	0.55	0.00	0.08
Cresol	86	0.48	0.00	0.00	0.48	0.00	2.35
Dioxins	243	0.0000	2.4850	0.0000	2.4850	0.0000	0.0000

Nagoya Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
1,2-Epoxypropane	68	1.44	0.02	0.00	1.46	0.00	0.24
Styrene	240	0.29	0.00	0.00	0.29	0.00	16.40
Ethylene oxide	56	0.17	0.00	0.00	0.17	0.00	0.04
Toluene	300	0.14	0.00	0.00	0.14	0.00	0.04
Acrylonitrile	9	0.01	0.00	0.00	0.01	0.00	115.50

Sodegaura Center

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Dichloromethane (also called methylene chloride)	186	0.45	0.00	0.00	0.45	0.00	1.03
Dichlorobenzene	181	0.14	0.00	0.00	0.14	0.00	1.47
Toluene	300	0.04	0.00	0.00	0.04	0.00	2.04
Tolylene diisocyanate	298	0.00	0.00	0.00	0.00	0.00	0.92
Methylenebis (4,1-phenylene) = diisocyanate	448	0.00	0.00	0.00	0.00	0.00	1.46

Osaka Works

Substance	Ordinance designation number	Emitted				Transferred	
		Air	Water	Soil	Total	Sewage	Off-site
Cumene	83	17.17	0.00	0.00	17.17	0.00	0.00
Benzene	400	5.42	0.12	0.00	5.54	0.00	0.00
Zinc compounds (water-soluble)	1	0.00	3.88	0.00	3.88	0.00	0.60
Toluene	300	3.33	0.01	0.00	3.35	0.00	0.38
Dicyclopentadiene	190	2.25	0.00	0.00	2.25	0.00	0.00
Acrylonitrile	9	1.50	0.00	0.00	1.50	0.00	2.73
Methyl methacrylate	420	1.28	0.00	0.00	1.28	0.00	0.33
1,4-Dioxane	150	1.14	0.03	0.00	1.17	0.00	0.00
α -methylstyrene	436	1.15	0.00	0.00	1.15	0.00	0.00
Phenol	349	0.76	0.24	0.00	1.00	0.00	0.01
Dioxins	243	0.0000	0.0210	0.0000	0.0210	0.0000	0.0500