

FY2016 (April 1, 2015 to March 31, 2016) PRTR Data by Site

(Unit: kg / dioxin and dioxin-like compounds only mg-TEQ) Figures are listed to 2 significant figures, except for figures below 1 which are listed to the nearest 0.1 measure.

Site	Substance	Substance No.	CAS No.	Handled	Consumed	Removed/Consumed	Recycled	Emissions Volume			Transfer Volume	
								Atmosphere	Public Waterways	Soil	Sewer	Off-site
Sapporo Plant, DNP Technopack Higashi-ku, Sapporo-shi, Hokkaido	Toluene	300	108-88-3	220,000	—	200,000	—	11,000	—	—	—	13,000
Izumizaki Plant, DNP Technopack Izumizaki-mura, Nishishirakawa-gun, Fukushima	Chromium & chromium(III) compounds	87	—	3,400	—	—	1,500	—	—	—	—	1,900
	Hexavalent chromium compounds	88	—	3,400	1,700	1,700	—	—	—	—	—	—
	Dioxins and dioxin-like compounds	243	—	—	—	—	—	0.8	—	—	—	1.1
	Water soluble copper salts (except complex salts)	272	—	40,000	39,000	—	—	—	—	—	—	240
	Toluene	300	108-88-3	1,400,000	—	1,200,000	130,000	84,000	—	—	—	27,000
DNP Fine Chemicals Utsunomiya Tochigi-shi, Tochigi	Acetonitrile	13	75-05-8	1,100	—	65	—	11	—	—	—	1,000
	Ferric chloride	71	7705-08-0	1,300	—	—	—	—	—	—	—	1,300
	Xylene	80	1330-20-7	2,600	—	100	—	13	—	—	—	2,500
	Dichloromethane	186	75-09-2	3,400	—	—	—	1,100	—	—	—	2,300
	N,N-dimethylformamide	232	68-12-2	67,000	—	4,900	—	340	—	—	—	62,000
	Bromine	234	7726-95-6	3,300	3,300	—	—	0.9	—	—	—	—
	Triethylamine	277	121-44-8	2,900	—	—	—	—	—	—	—	2,900
	Toluene	300	108-88-3	520,000	62,000	17,000	—	2,200	—	—	—	440,000
	Hydrazine	333	302-01-2	2,600	2,500	—	—	—	—	—	—	130
	N-hexane	392	110-54-3	7,700	—	460	—	78	—	—	—	7,100
	Benzophenone	403	119-61-9	2,400	2,400	—	—	—	—	—	—	—
	Boron compound	405	—	3,200	—	—	—	—	2,700	—	—	480
	Manganese and its compounds	412	—	1,700	—	—	—	—	—	—	—	1,700
	Methacrylic acid	415	79-41-4	14,000	14,000	—	—	—	—	—	—	—
	n-Butyl methacrylate	419	97-88-1	2,400	2,400	—	—	—	—	—	—	—
Methyl methacrylate	420	80-62-6	24,000	24,000	—	—	—	—	—	—	—	
Morpholine	455	110-91-8	23,000	2,300	110	—	840	—	—	—	20,000	
Integrated Manufacturing Technology Laboratory, Technology Development Center Tsukuba-shi, Ibaraki	Toluene	300	108-88-3	3,000	—	380	—	560	—	—	—	2,000
Tsuruse Plant, Publication Printing Operations Miyoshimachi, Iruma-gun, Saitama	Chromium & chromium(III) compounds	87	—	1,100	—	—	920	—	—	—	—	180
	Hexavalent chromium compounds	88	—	1,100	—	1,100	—	—	—	—	—	0.3
	Water soluble copper salts (except complex salts)	272	—	18,000	—	—	18,000	—	—	—	1.2	—
	Toluene	300	108-88-3	490,000	—	—	480,000	13,000	—	—	—	—

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								Atmosphere	Public Waterways	Soil	Sewer	Off-site
Tokyo Plant, DNP Living Space Miyoshimachi, Iruma-gun, Saitama	Epsilon-caprolactam	76	105-60-2	3,200	2,700	–	–	–	–	–	–	480
	Hexavalent chromium compounds	88	–	630	520	110	–	–	–	–	–	–
	Toluene	300	108-88-3	64,000	–	52,000	–	3,900	–	–	–	7,700
	Bis(2-ethylhexyl)phthalate	355	117-81-7	1,600	1,400	–	–	–	–	–	–	240
	1,2,4-benzenetricarboxylic acid 1,2-anhydride	401	552-30-7	2,100	1,800	–	–	–	–	–	–	320
Warabi Plant, DNP Data Techno Warabi-shi, Saitama	Dioxins and dioxin-like compounds	243	–	–	–	–	–	1.3	–	–	–	32
Sayama Plant, DNP Imagingcomm Sayama-shi, Saitama	Toluene	300	108-88-3	1,300,000	–	1,100,000	–	17,000	–	–	–	140,000
	Formaldehyde	411	50-00-0	1,100	–	–	–	1,100	–	–	–	–
	Morpholine	455	110-91-8	2,100	–	1,900	–	28	–	–	–	230
Sayama Plant No.1, DNP Technopack Sayama-shi, Saitama	Chromium & chromium(III) compounds	87	–	1,500	–	–	1,400	–	–	–	–	150
	Hexavalent chromium compounds	88	–	1,600	1,500	–	–	–	–	–	–	100
	Water soluble copper salts (except complex salts)	272	–	15,000	–	–	15,000	–	–	–	–	260
	Toluene	300	108-88-3	370,000	–	290,000	33,000	35,000	–	–	–	11,000
Kamifukuoka Plant, DNP Fine Optronics Fujimino-shi, Saitama	2-aminoethanol	20	141-43-5	42,000	–	–	–	–	–	–	28,000	14,000
	Ferric chloride	71	7705-08-0	1,500,000	–	650,000	790,000	–	–	–	–	110,000
	Chromium & chromium(III) compounds	87	–	28,000	13,000	–	4,500	–	–	–	–	11,000
	Hexavalent chromium compounds	88	–	3,000	360	2,600	–	–	–	–	–	–
	Inorganic cyanide compounds (except complex salts and cyanate)	144	–	2,700	–	420	–	470	–	–	–	1,800
	Water soluble copper salts (except complex salts)	272	–	140,000	–	–	140,000	–	–	–	–	–
	Nickel	308	7440-02-0	32,000	26,000	–	5,700	–	–	–	–	–
	Nickel compounds	309	–	10,000	340	–	–	–	–	–	–	9,800
Manganese and its compounds	412	–	2,400	1,300	–	430	–	–	–	42	710	
Kuki Plant, DNP High-performance Materials Kuki-shi, Saitama	Ferric chloride	71	7705-08-0	180,000	–	36,000	150,000	–	–	–	–	–
	Water soluble copper salts (except complex salts)	272	–	34,000	6,800	–	27,000	–	–	–	–	–
Yokohama Plant, DNP Technopack Tsuzuki-ku, Yokohama-shi, Kanagawa	Water soluble copper salts (except complex salts)	272	–	18,000	–	18,000	–	–	–	–	–	–
	Toluene	300	108-88-3	79,000	–	74,000	–	380	–	–	–	3,900
Tokyo Plant, DNP Fine Chemicals Midori-ku, Yokohama-shi, Kanagawa	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	34	4098-71-9	1,400	1,400	–	–	2.5	–	–	–	20
	Toluene	300	108-88-3	550,000	520,000	–	–	470	–	–	–	25,000
	Nickel compounds	309	–	520	500	–	–	–	–	–	–	13
	Methacrylic acid	415	79-41-4	1,500	1,500	–	–	2.8	–	–	–	30
	n-Butyl methacrylate	419	97-88-1	1,100	1,100	–	–	2	–	–	–	23
Methyl methacrylate	420	80-62-6	7,000	6,900	–	–	13	–	–	–	110	

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								Atmosphere	Public Waterways	Soil	Sewer	Off-site
Tokyo Plant, DNP Ellio Aikawamachi, Aiko-gun, Kanagawa	Ethylbenzene	53	100-41-4	140,000	–	94,000	45,000	2,500	–	–	–	2,000
	Xylene	80	1330-20-7	120,000	–	81,000	33,000	1,700	–	–	–	2,800
	1,2,4-trimethylbenzene	296	95-63-6	20,000	–	7,000	13,000	130	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	6,100	–	3,800	2,100	47	–	–	–	130
	Toluene	300	108-88-3	11,000	–	6,800	4,000	260	–	–	–	7
	Naphthalene	302	91-20-3	12,000	–	10,000	1,800	62	–	–	–	70
Tokai Plant, DNP Technopack Nakatsugawa-shi, Gifu	Water soluble copper salts (except complex salts)	272	–	2,900	2,900	–	–	–	–	–	–	–
	Toluene	300	108-88-3	110,000	–	93,000	–	14,000	–	–	–	4,000
Hagiwara Plant, DNP Tamura Plastic Gero-shi, Gifu	Toluene	300	108-88-3	3,600	–	–	–	3,600	–	–	–	–
Kyoto Plant, DNP Technopack Ukyo-ku, Kyoto-shi, Kyoto	Chromium & chromium(III) compounds	87	–	3,100	–	–	1,800	–	–	–	2.5	1,400
	Hexavalent chromium compounds	88	–	3,100	1,800	1,400	–	–	–	–	–	–
	Toluene	300	108-88-3	480,000	–	410,000	64,000	7,200	–	–	–	2,100
Kyoto Plant, DNP Data Techno Minami-ku, Kyoto-shi, Kyoto	Toluene	300	108-88-3	17,000	–	10,000	–	210	–	–	–	6,300
Tanabe Plant, DNP Technopack Kyotanabe-shi, Kyoto	Dioxins and dioxin-like compounds	243	–	–	–	–	–	17	–	–	–	130
	Toluene	300	108-88-3	390,000	–	210,000	85,000	90,000	–	–	–	1,600
Osaka Plant, DNP Ellio Neyagawa-shi, Osaka	Ethylbenzene	53	100-41-4	46,000	–	34,000	11,000	170	–	–	–	27
	Xylene	80	1330-20-7	39,000	–	32,000	6,800	160	–	–	–	40
	1,2,4-trimethylbenzene	296	95-63-6	2,400	–	1,800	650	9	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	1,100	–	800	270	4.2	–	–	–	27
	Toluene	300	108-88-3	2,800	–	1,700	1,100	8.6	–	–	–	1.6
	Naphthalene	302	91-20-3	3,900	–	3,900	4.3	20	–	–	–	25
Okayama Plant, DNP Imagingcomm Okayama-shi, Okayama	Xylene	80	1330-20-7	1,200	–	1,100	120	19	–	–	–	9.9
	Toluene	300	108-88-3	2,100,000	7,200	1,800,000	240,000	32,000	–	–	–	18,000
	Methylenebis(4,1-phenylene) diisocyanate	448	101-68-8	2,300	2,300	–	–	–	–	–	–	–
Okayama Plant, DNP Living Space Okayama-shi, Okayama	Epsilon-caprolactam	76	105-60-2	1,900	–	1,500	–	88	–	–	–	260
	Sodium dodecyl sulfate	275	151-21-3	1,200	1,100	–	–	–	–	–	–	69
	Bis(2-ethylhexyl)phthalate	355	117-81-7	1,300	–	1,100	–	63	–	–	–	190
	1,2,4-benzenetricarboxylic acid 1,2-anhydride	401	552-30-7	1,100	1,000	–	–	–	–	–	–	87
Okayama Plant, DNP Fine Optronics Okayama-shi, Okayama	Toluene	300	108-88-3	650,000	–	450,000	160,000	36,000	–	–	–	–

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Site	Substance	Substance No.	CAS No.	Handled	Consumed	Removed/Consumed	Recycled	Emissions Volume			Transfer Volume	
								Atmosphere	Public Waterways	Soil	Sewer	Off-site
Kasaoka Plant, DNP Fine Chemicals Kasaoka-shi, Okayama	Vinyl acetate	134	108-05-4	1,200	1,200	0.7	—	—	—	—	—	8.6
	Toluene	300	108-88-3	1,200,000	1,200,000	1,400	—	760	—	—	—	51,000
	Poly(oxyethylene) alkyl ether*	407	—	1,500	1,500	—	—	—	—	—	—	11
Mihara East Plant, DNP Fine Optronics Mihara-shi, Hiroshima	Indium and its compounds	44	—	1,200	170	—	1,000	—	—	—	—	14
	Ferric chloride	71	7705-08-0	410,000	280,000	—	130,000	—	—	—	—	—
	Nickel	308	7440-02-0	7,000	640	1,400	5,000	—	—	—	—	—
	Nickel compounds	309	—	1,600	4.1	—	1,400	—	—	—	—	190
Mihara West Plant, DNP Fine Optronics Mihara-shi, Hiroshima	Toluene	300	108-88-3	330,000	—	240,000	76,000	13,000	—	—	—	—
Kurosaki Plant No.1, DNP Fine Optronics Yahatanishi-ku, Kitakyushu-shi, Fukuoka	Indium and its compounds	44	—	4,000	1,100	—	2,800	—	—	—	—	120
	Ferric chloride	71	7705-08-0	10,000	—	—	—	—	—	—	—	10,000
Tobata Plant, DNP High-performance Materials Tobata-ku, Kitakyushu-shi, Fukuoka	Ethylbenzene	53	100-41-4	1,700	—	1,500	—	78	—	—	—	180
	Xylene	80	1330-20-7	1,800	—	1,600	—	82	—	—	—	190
	Toluene	300	108-88-3	60,000	—	51,000	—	2,700	—	—	—	5,900
Chikugo Plant, DNP Technopack Chikugo-shi, Fukuoka	Hexavalent chromium compounds	88	—	980	930	1.8	—	—	—	—	—	52
	Dioxins and dioxin-like compounds	243	—	—	—	—	—	—	—	—	—	16
	Water soluble copper salts (except complex salts)	272	—	4,700	4,500	—	—	—	—	—	—	190
	Toluene	300	108-88-3	440,000	—	370,000	—	46,000	—	—	—	22,000

*Limited to alkyls of carbon 12 through 15 or their compounds