FY2017 (April 1, 2017 to March 31, 2018) 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	200,000	–	180,000	–	15,000	–	–	–	12,000
Izumizaki Plant, DNP Technopack Izumizaki-mura, Nishishirakawa-gun, Fukushima	Chromium & chromium (III) compounds	87	–	2,800	–	–	1,500	–	–	–	–	1,300
	Hexavalent chromium compounds	88	–	2,800	1,700	1,100	–	–	–	–	–	–
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	–	–	–	–	9
	Water soluble copper salts (except complex salts)	272	–	34,000	34,000	–	–	–	–	–	–	200
	Toluene	300	108-88-3	1,300,000	–	1,100,000	150,000	83,000	–	–	–	31,000
DNP Fine Chemicals Utsunomiya Tochigi-shi, Tochigi	Acetonitrile	13	75-05-8	4,100	–	240	–	40	–	–	–	3,800
	Ethylenediamine	59	107-15-3	1,200	590	–	–	–	–	–	–	590
	Ferric chloride	71	7705-08-0	1,700	–	–	–	–	–	–	–	1,700
	Xylene	80	1330-20-7	19,000	–	780	–	97	–	–	–	19,000
	Dichloromethane	186	75-09-2	2,500	–	–	–	830	–	–	–	1,700
	N,N-dimethylformamide	232	68-12-2	82,000	–	5,300	17,000	410	–	–	–	59,000
	Bromine	234	7726-95-6	3,100	3,100	0.9	–	8.6	–	–	–	–
	Triethylamine	277	121-44-8	3,200	–	1.7	390	14	–	–	–	2,800
	Toluene	300	108-88-3	430,000	25,000	16,000	58,000	2,100	–	–	–	330,000
	Hydrazine	333	302-01-2	1,200	1,100	–	15	–	–	–	–	44
	N-hexane	392	110-54-3	6,600	–	390	–	66	–	–	–	6,100
	Benzophenone	403	119-61-9	1,600	1,600	–	–	–	–	–	–	–
	Boron compound	405	–	1,200	–	–	140	–	–	–	–	1,100
	Manganese and its compounds	412	–	1,600	–	–	210	–	–	–	–	1,400
	Methacrylic acid	415	79-41-4	20,000	20,000	–	–	–	–	–	–	–
	n-Butyl methacrylate	419	97-88-1	4,400	4,400	–	–	–	–	–	–	–
	Methyl methacrylate	420	80-62-6	35,000	35,000	–	–	–	–	–	–	–
	Morpholine	455	110-91-8	29,000	2,900	130	4,300	1,100	–	–	–	21,000
Integrated Manufacturing Technology Laboratory, Technology Development Center Tsukuba-shi, Ibaraki	Toluene	300	108-88-3	1,400	–	290	–	130	–	–	–	950
Shiraoka Plant, Dai Nippon Printing *1 Shiraoka-shi, Saitama	Toluene	300	108-88-3	450,000	440,000	–	–	3,800	–	–	–	–

(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
Tsuruse Plant, Publication Printing Operations Miyoshimachi, Iruma-gun, Saitama	Chromium & chromium (III) compounds	87	–	1,200	–	–	780	–	–	–	–	110
	Hexavalent chromium compounds	88	–	1,200	–	1,200	–	–	–	–	–	0.2
	Water soluble copper salts (except complex salts)	272	–	16,000	–	–	16,000	–	–	–	1.1	–
	Toluene	300	108-88-3	290,000	–	–	270,000	10,000	–	–	–	1,700
Tokyo Plant, DNP Living Space Miyoshimachi, Iruma-gun, Saitama	Epsilon-caprolactam	76	105-60-2	3,700	3,200	–	–	–	–	–	–	550
	Hexavalent chromium compounds	88	–	720	510	220	–	–	–	–	–	–
	Toluene	300	108-88-3	65,000	–	52,000	–	3,900	–	–	–	8,700
	Bis (2-ethylhexyl) phthalate	355	117-81-7	1,200	1,000	–	–	–	–	–	–	170
	1,2,4-benzenetricarboxylic acid 1,2-anhydride	401	552-30-7	1,900	1,700	–	–	–	–	–	–	290
Warabi Plant, DNP Data Techno Warabi-shi, Saitama	Dioxins and dioxin-like compounds	243	–	–	–	–	–	2.4	–	–	–	63
Sayama Plant, DNP Imagingcomm Sayama-shi, Saitama	Toluene	300	108-88-3	1,300,000	–	1,100,000	–	16,000	–	–	–	160,000
	Formaldehyde	411	50-00-0	1,300	–	–	–	1,300	–	–	–	–
	Morpholine	455	110-91-8	2,700	–	2,300	–	34	–	–	–	330
Sayama Plant No. 1, DNP Technopack Sayama-shi, Saitama	Chromium & chromium (III) compounds	87	–	1,300	–	–	1,100	–	–	–	–	160
	Hexavalent chromium compounds	88	–	1,400	1,200	–	–	–	–	–	–	210
	Water soluble copper salts (except complex salts)	272	–	12,000	–	–	12,000	–	–	–	–	320
	Toluene	300	108-88-3	400,000	–	310,000	34,000	31,000	–	–	–	17,000
Kamifukuoka Plant, DNP Fine Optronics Fujimino-shi, Saitama	2-aminoethanol	20	141-43-5	27,000	–	–	–	–	–	–	16,000	11,000
	Ferric chloride	71	7705-08-0	1,900,000	–	600,000	1,200,000	–	–	–	–	170,000
	Chromium & chromium (III) compounds	87	–	22,000	9,800	–	4,100	–	–	–	–	8,300
	Hexavalent chromium compounds	88	–	2,700	420	2,200	–	–	–	–	–	–
	Inorganic cyanide compounds (except complex salts and cyanate)	144	–	3,300	–	400	–	460	–	–	–	2,400
	Water soluble copper salts (except complex salts)	272	–	120,000	–	–	120,000	–	–	–	–	–
	Nickel	308	7440-02-0	30,000	24,000	–	6,000	–	–	–	–	–
	Nickel compounds	309	–	10,000	810	–	–	–	–	–	–	9,500
	Manganese and its compounds	412	–	1,900	930	–	390	–	–	–	51	530
Kuki Plant, DNP High-performance Materials Kuki-shi, Saitama	Ferric chloride	71	7705-08-0	100,000	–	20,000	81,000	–	–	–	–	–
	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	71,000	–	67,000	–	340	–	–	–	3,500
Tokyo Plant, DNP Fine Chemicals Midori-ku, Yokohama-shi, Kanagawa	Toluene	300	108-88-3	400,000	390,000	–	–	390	–	–	–	14,000

(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
Tokyo Plant, DNP Ellio Aikawamachi, Aiko-gun, Kanagawa	Ethylbenzene	53	100-41-4	140,000	–	94,000	44,000	2,000	–	–	–	2,500
	Xylene	80	1330-20-7	120,000	–	83,000	34,000	1,500	–	–	–	3,400
	1,2,4-trimethylbenzene	296	95-63-6	27,000	–	15,000	12,000	300	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	6,500	–	4,400	1,900	86	–	–	–	150
	Toluene	300	108-88-3	14,000	–	8,900	5,100	310	–	–	–	6
	Naphthalene	302	91-20-3	13,000	–	11,000	1,600	65	–	–	–	66
Tokai Plant, DNP Technopack Nakatsugawa-shi, Gifu	Water soluble copper salts (except complex salts)	272	–	3,400	3,400	–	–	–	–	–	–	–
	Toluene	300	108-88-3	110,000	–	84,000	–	17,000	–	–	–	4,700
Hagiwara Plant, DNP Tamura Plastic Gero-shi, Gifu	Toluene	300	108-88-3	4,100	–	–	–	4,100	–	–	–	–
Kyoto Plant, DNP Technopack Ukyo-ku, Kyoto-shi, Kyoto	Chromium & chromium (III) compounds	87	–	3,200	–	–	1,500	–	–	–	4.5	1,600
	Hexavalent chromium compounds	88	–	3,200	1,500	1,600	–	–	–	–	0.1	–
	Toluene	300	108-88-3	480,000	–	410,000	64,000	7,100	–	–	–	1,500
Kyoto Plant, DNP Data Techno Minami-ku, Kyoto-shi, Kyoto	Toluene	300	108-88-3	21,000	–	14,000	–	290	–	–	–	6,500
Tanabe Plant, DNP Technopack Kyotanabe-shi, Kyoto	Dioxins and dioxin-like compounds	243	–	–	–	–	–	23	–	–	–	66
	Toluene	300	108-88-3	350,000	–	180,000	73,000	98,000	–	–	–	1,200
Osaka Plant, DNP Ellio Neyagawa-shi, Osaka	Ethylbenzene	53	100-41-4	53,000	–	37,000	16,000	190	–	–	–	7.6
	Xylene	80	1330-20-7	45,000	–	35,000	9,700	180	–	–	–	11
	1,2,4-trimethylbenzene	296	95-63-6	2,800	–	1,900	930	9.5	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	1,300	–	900	380	4.5	–	–	–	7.4
	Toluene	300	108-88-3	3,600	–	2,000	1,500	10	–	–	–	0.4
	Naphthalene	302	91-20-3	4,700	–	4,700	6.3	24	–	–	–	7
Okayama Plant, DNP Imagingcomm Okayama-shi, Okayama	Xylene	80	1330-20-7	1,000	–	850	130	15	–	–	–	12
	Toluene	300	108-88-3	1,800,000	6,000	1,500,000	220,000	27,000	–	–	–	17,000
	Methylenebis (4,1-phenylene) diisocyanate	448	101-68-8	2,000	2,000	–	–	–	–	–	–	–
Okayama Plant, DNP Living Space Okayama-shi, Okayama	Epsilon-caprolactam	76	105-60-2	2,000	–	1,600	–	92	–	–	–	230
	Sodium dodecyl sulfate	275	151-21-3	1,100	1,000	–	–	–	–	–	–	58
Okayama Plant, DNP Fine Optronics Okayama-shi, Okayama	Toluene	300	108-88-3	700,000	–	480,000	180,000	41,000	–	–	–	–
Kasaoka Plant, DNP Fine Chemicals Kasaoka-shi, Okayama	Toluene	300	108-88-3	1,100,000	1,100,000	72	–	1,200	–	–	–	54,000
	Poly (oxyethylene) alkyl ether (Limited to alkyls of carbon 12 through 15 or their compounds)	407	–	1,300	1,200	–	–	–	–	–	–	11

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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
Mihara East Plant, DNP Fine Optronics Mihara-shi, Hiroshima	Indium and its compounds	44	–	2,500	350	–	2,100	–	–	–	–	27
	Ferric chloride	71	7705-08-0	940,000	620,000	–	320,000	–	–	–	–	–
	Chromium & chromium (III) compounds	87	–	1,500	100	26	840	–	–	–	–	540
	Nickel	308	7440-02-0	8,300	970	2,200	5,200	–	–	–	–	–
	Nickel compounds	309	–	2,400	5.4	–	2,200	–	–	–	–	220
Mihara West Plant, DNP Fine Optronics Mihara-shi, Hiroshima	2-Hydroxyethyl acrylate	6	818-61-1	3,200	–	2,100	650	440	–	–	–	–
	Antimony and its compounds	31	–	1,300	1,000	–	270	–	–	–	–	–
	Toluene	300	108-88-3	280,000	–	210,000	56,000	19,000	–	–	–	–
	Hexamethylene diacrylate	306	13048-33-4	2,600	2,000	–	520	–	–	–	–	–
Kurosaki Plant, DNP Fine Optronics Yahatanishi-ku, Kitakyushu-shi, Fukuoka	Indium and its compounds	44	–	3,300	950	–	2,200	–	–	–	–	100
	Ferric chloride	71	7705-08-0	7,300	–	–	–	–	–	–	–	7,300
Tobata Plant, DNP High-performance Materials Tobata-ku, Kitakyushu-shi, Fukuoka	Ethylbenzene	53	100-41-4	1,900	–	1,600	–	86	–	–	–	120
	Xylene	80	1330-20-7	2,000	–	1,700	–	89	–	–	–	130
	Toluene	300	108-88-3	92,000	–	81,000	–	4,300	–	–	–	6,400
Chikugo Plant, DNP Technopack Chikugo-shi, Fukuoka	Hexavalent chromium compounds	88	–	1,000	1,000	1.4	–	–	–	–	–	49
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	–	–	–	–	20
	Water soluble copper salts (except complex salts)	272	–	4,300	4,000	–	–	–	–	–	–	220
	Toluene	300	108-88-3	400,000	–	320,000	–	68,000	–	–	–	17,000

*1 Same site as Shiraoka Plant of DNP Book Factory