

FY2018 (April 1, 2018 to March 31, 2019) 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	190,000	–	160,000	–	11,000	–	–	–	14,000
Izumizaki Plant, DNP Technopack Izumizaki-mura, Nishishirakawa-gun, Fukushima	Chromium & chromium (III) compounds	87	–	3,200	–	–	1,400	–	–	–	–	1,800
	Hexavalent chromium compounds	88	–	3,200	1,500	1,600	–	–	–	–	–	–
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	6.7	–	–	–	9.2
	Water soluble copper salts (except complex salts)	272	–	31,000	31,000	–	–	–	–	–	–	190
	Toluene	300	108-88-3	1,000,000	–	790,000	130,000	80,000	–	–	–	29,000
DNP Fine Chemicals Utsunomiya Tochigi-shi, Tochigi	Acrylonitrile	9	107-13-1	1,200	700	–	–	–	–	–	–	470
	Acetonitrile	13	75-05-8	4,300	–	260	–	43	–	–	–	4,000
	Xylene	80	1330-20-7	5,100	–	200	–	25	–	–	–	4,800
	N,N-dimethylformamide	232	68-12-2	83,000	–	3,500	–	410	–	–	–	79,000
	Bromine	234	7726-95-6	2,400	2,400	–	–	1	–	–	–	–
	Triethylamine	277	121-44-8	2,700	–	–	–	0.7	–	–	–	2,700
	Toluene	300	108-88-3	360,000	19,000	13,000	–	1,700	–	–	–	320,000
	N-hexane	392	110-54-3	21,000	–	1,300	–	210	–	–	–	19,000
	Boron compound	405	–	1,000	–	–	–	–	960	–	–	68
	Methacrylic acid	415	79-41-4	21,000	21,000	–	–	–	–	–	–	–
	n-Butyl methacrylate	419	97-88-1	4,900	4,900	–	–	–	–	–	–	–
	Methyl methacrylate	420	80-62-6	35,000	35,000	–	–	–	–	–	–	–
Morpholine	455	110-91-8	56,000	5,600	280	–	2,000	–	–	–	48,000	
Integrated Manufacturing Technology Laboratory, Technology Development Center Tsukuba-shi, Ibaraki	Toluene	300	108-88-3	1,200	–	200	–	170	–	–	–	810
Shiraoka Plant, Dai Nippon Printing *1 Shiraoka-shi, Saitama	Toluene	300	108-88-3	57,000	47,000	–	10,000	270	–	–	–	–

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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
Tsuruse Plant, Publication Printing Operations Miyoshimachi, Iruma-gun, Saitama	Water soluble copper salts (except complex salts)	272	–	2,500	–	–	2,500	–	–	–	0.4	–
	Toluene	300	108-88-3	100,000	–	–	96,000	4,100	–	–	–	–
Tokyo Plant, DNP Living Space Miyoshimachi, Iruma-gun, Saitama	Epsilon-caprolactam	76	105-60-2	2,800	2,400	–	–	–	–	–	–	420
	Hexavalent chromium compounds	88	–	660	490	180	–	–	–	–	–	–
	Toluene	300	108-88-3	52,000	–	42,000	6,600	3,100	–	–	–	–
Warabi Plant, DNP Data Techno Warabi-shi, Saitama	1,2,4-benzenetricarboxylic acid 1,2-anhydride	401	552-30-7	2,100	1,800	–	310	–	–	–	–	–
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	0.1	–	–	–	36
Sayama Plant, DNP Imagingcomm Sayama-shi, Saitama	Toluene	300	108-88-3	1,100,000	–	970,000	–	13,000	–	–	–	160,000
	Formaldehyde	411	50-00-0	1,100	–	–	–	1,100	–	–	–	–
	Morpholine	455	110-91-8	3,000	–	2,600	–	36	–	–	–	440
Sayama Plant No. 1, DNP Technopack Sayama-shi, Saitama	Chromium & chromium (III) compounds	87	–	1,100	–	–	880	–	–	–	–	180
	Hexavalent chromium compounds	88	–	1,100	1,000	–	–	–	–	–	–	52
	Water soluble copper salts (except complex salts)	272	–	11,000	–	–	11,000	–	–	–	–	220
	Toluene	300	108-88-3	380,000	–	290,000	42,000	37,000	–	–	–	9,900
Kamifukuoka Plant, DNP Fine Optronics Fujimino-shi, Saitama	2-aminoethanol	20	141-43-5	3,100	–	–	–	–	–	–	1,900	1,100
	Ferric chloride	71	7705-08-0	1,600,000	–	570,000	1,000,000	–	–	–	–	51,000
	Chromium & chromium (III) compounds	87	–	22,000	9,400	–	5,200	–	–	–	–	7,300
	Hexavalent chromium compounds	88	–	2,000	350	1,600	–	–	–	–	–	–
	Inorganic cyanide compounds (except complex salts and cyanate)	144	–	4,500	–	430	–	460	–	–	–	3,600
	Water soluble copper salts (except complex salts)	272	–	89,000	–	–	89,000	–	–	–	–	–
	Nickel	308	7440-02-0	24,000	18,000	–	6,200	–	–	–	–	–
	Nickel compounds	309	–	6,400	3	–	–	–	–	–	–	6,400
	Manganese and its compounds	412	–	2,000	890	–	490	–	–	–	130	510
Kuki Plant, DNP High-performance Materials Kuki-shi, Saitama	Ferric chloride	71	7705-08-0	74,000	–	15,000	59,000	–	–	–	–	–
	Water soluble copper salts (except complex salts)	272	–	26,000	5,200	–	21,000	–	–	–	–	–
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	64,000	–	60,000	–	300	–	–	–	3,700
Tokyo Plant, DNP Fine Chemicals Midori-ku, Yokohama-shi, Kanagawa	Toluene	300	108-88-3	330,000	310,000	–	–	460	–	–	–	20,000
	Nickel compounds	309	–	760	690	–	–	–	–	–	–	72
	Methacrylic acid	415	79-41-4	1,100	1,000	–	–	2	–	–	–	34
	2,3-Epoxypropyl methacrylate	417	106-91-2	1,100	1,000	–	–	2	–	–	–	49

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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	–	95,000	43,000	2,000	–	–	–	1,600
	Xylene	80	1330-20-7	120,000	–	84,000	34,000	1,500	–	–	–	2,200
	1,2,4-trimethylbenzene	296	95-63-6	27,000	–	15,000	12,000	320	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	7,000	–	5,000	1,800	95	–	–	–	73
	Toluene	300	108-88-3	15,000	–	10,000	4,400	260	–	–	–	5
	Naphthalene	302	91-20-3	12,000	–	10,000	1,700	61	–	–	–	52
Tokai Plant, DNP Technopack Nakatsugawa-shi, Gifu	Water soluble copper salts (except complex salts)	272	–	3,200	3,200	–	–	–	–	–	–	–
	Toluene	300	108-88-3	110,000	–	87,000	–	16,000	–	–	–	5,000
Hagiwara Plant, DNP Tamura Plastic Gero-shi, Gifu	Toluene	300	108-88-3	3,200	–	–	–	3,200	–	–	–	–
Kyoto Plant, DNP Technopack Ukyo-ku, Kyoto-shi, Kyoto	Chromium & chromium (III) compounds	87	–	3,400	–	–	1,700	–	–	–	1.3	1,700
	Hexavalent chromium compounds	88	–	3,400	1,700	1,700	–	–	–	–	–	–
	Toluene	300	108-88-3	390,000	–	330,000	51,000	5,900	–	–	–	890
Kyoto Plant, DNP Data Techno Minami-ku, Kyoto-shi, Kyoto	Toluene	300	108-88-3	18,000	–	11,000	–	230	–	–	–	6,700
Tanabe Plant, DNP Technopack Kyotanabe-shi, Kyoto	Dioxins and dioxin-like compounds	243	–	–	–	–	–	23	–	–	–	56
	Toluene	300	108-88-3	260,000	–	130,000	62,000	62,000	–	–	–	750
Osaka Plant, DNP Ellio Neyagawa-shi, Osaka	Ethylbenzene	53	100-41-4	54,000	–	36,000	18,000	180	–	–	–	310
	Xylene	80	1330-20-7	45,000	–	34,000	11,000	170	–	–	–	420
	1,2,4-trimethylbenzene	296	95-63-6	2,900	–	1,900	1,000	9.4	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	1,300	–	890	420	4.5	–	–	–	8.1
	Toluene	300	108-88-3	3,700	–	2,000	1,700	10	–	–	–	24
	Naphthalene	302	91-20-3	4,800	–	4,800	7.2	24	–	–	–	–
Okayama Plant, DNP Imagingcomm Okayama-shi, Okayama	Toluene	300	108-88-3	1,600,000	4,800	1,300,000	240,000	23,000	–	–	–	18,000
	Methylenebis (4,1-phenylene) diisocyanate	448	101-68-8	1,900	1,900	–	–	–	–	–	–	–
Okayama Plant, DNP Living Space Okayama-shi, Okayama	Epsilon-caprolactam	76	105-60-2	2,100	–	1,800	–	82	–	–	–	200
Okayama Plant, DNP Fine Optronics Okayama-shi, Okayama	Toluene	300	108-88-3	780,000	–	550,000	160,000	59,000	–	–	–	–
Kasaoka Plant, DNP Fine Chemicals Kasaoka-shi, Okayama	2-Hydroxyethyl acrylate	6	818-61-1	2,300	2,300	1.3	–	0.6	–	–	–	34
	Toluene	300	108-88-3	1,000,000	1,000,000	120	–	1,100	–	–	–	46,000
	Nickel compounds	309	–	530	530	–	–	–	–	–	–	3.8
	Poly (oxyethylene) alkyl ether (Limited to alkyls of carbon 12 through 15 or their compounds)	407	–	1,500	1,500	–	–	–	–	–	–	14

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								Atmosphere	Public waterways	Soil	Sewer	Off-site
Mihara East Plant, DNP Fine Optronics Mihara-shi, Hiroshima	Indium and its compounds	44	–	1,700	230	–	1,400	–	–	–	–	23
	Ferric chloride	71	7705-08-0	1,300,000	860,000	–	480,000	–	–	–	–	–
	Chromium & chromium (III) compounds	87	–	1,400	88	23	750	–	–	–	–	510
	Nickel	308	7440-02-0	11,000	1,100	2,900	6,800	–	–	–	–	–
	Nickel compounds	309	–	3,000	3.5	–	2,900	–	–	–	–	61
Mihara West Plant, DNP Fine Optronics Mihara-shi, Hiroshima	2-Hydroxyethyl acrylate	6	818-61-1	2,100	–	1,600	410	100	–	–	–	–
	Toluene	300	108-88-3	340,000	–	260,000	68,000	16,000	–	–	–	–
	Hexamethylene diacrylate	306	13048-33-4	1,400	1,100	–	270	–	–	–	–	–
Tobata Plant, DNP High-performance Materials Tobata-ku, Kitakyushu-shi, Fukuoka	Toluene	300	108-88-3	110,000	–	100,000	–	5,400	–	–	–	5,800
Chikugo Plant, DNP Technopack Chikugo-shi, Fukuoka	Hexavalent chromium compounds	88	–	810	770	1.8	–	–	–	–	–	40
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	–	–	–	–	14
	Water soluble copper salts (except complex salts)	272	–	4,000	3,700	–	–	–	–	–	–	230
	Toluene	300	108-88-3	400,000	–	340,000	–	49,000	–	–	–	17,000

*1 Same site as Shiraoka Plant of DNP Book Factory