FY2014 (April 1, 2013 to March 31, 2014) 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	Hexavalent chromium compounds	88	–	520	470	–	–	–	–	–	–	48
	1,2,4-trimethylbenzene	296	95-63-6	1,900	–	–	–	1,900	–	–	–	–
	Toluene	300	108-88-3	290,000	–	250,000	–	20,000	–	–	–	22,000
Izumizaki Plant, DNP Technopack Izumizaki-mura, Nishishirakawa-gun, Fukushima	Chromium & chromium(III) compounds	87	–	3,700	–	–	1,600	–	–	–	–	2,100
	Hexavalent chromium compounds	88	–	3,700	1,700	2,000	–	–	–	–	–	–
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	1.2	–	–	–	8.1
	Water soluble copper salts (except complex salts)	272	–	38,000	38,000	–	–	–	–	–	–	230
	Toluene	300	108-88-3	2,000,000	–	1,200,000	440,000	130,000	–	–	–	200,000
DNP Fine Chemicals Utsunomiya Tochigi-shi, Tochigi	Acetonitrile	13	75-05-8	2,000	–	420	–	110	–	–	–	1,400
	Ferric chloride	71	7705-08-0	1,600	–	1,600	–	–	–	–	–	–
	Xylene	80	1330-20-7	5,600	–	–	–	–	–	–	–	5,600
	Dichloromethane	186	75-09-2	4,800	–	–	–	–	–	–	–	4,800
	Triethylamine	277	121-44-8	1,300	–	17	–	1.2	–	–	–	1,200
	Toluene	300	108-88-3	250,000	–	1,500	–	7,100	–	–	–	240,000
	Carbon disulfide	318	75-15-0	1,200	–	1,200	–	–	–	–	–	–
	N-hexane	392	110-54-3	4,700	–	95	–	–	–	–	–	4,600
	Methacrylic acid	415	79-41-4	15,000	–	14,000	–	1,500	–	–	–	–
	Methyl methacrylate	420	80-62-6	2,100	–	2,100	–	–	–	–	–	–
Integrated Manufacturing Technology Laboratory, Technology Development Center Tsukuba-shi, Tochigi	Toluene	300	108-88-3	2,600	–	610	–	200	–	–	–	1,800
Tsuruse Plant, Ichigaya Publication Printing Operations Miyoshimachi, Iruma-gun, Saitama	Ferric chloride	71	7705-08-0	3,700	–	3,700	–	–	–	–	–	–
	Chromium & chromium(III) compounds	87	–	1,500	–	–	1,100	–	–	–	–	390
	Hexavalent chromium compounds	88	–	1,500	–	1,500	–	–	–	–	–	0.3
	Water soluble copper salts (except complex salts)	272	–	21,000	–	–	21,000	–	–	–	1.2	–
	Toluene	300	108-88-3	650,000	–	–	630,000	15,000	–	–	–	3,600
Tokyo Plant, DNP Lifestyle Materials Miyoshimachi, Iruma-gun, Saitama	Epsilon-caprolactam	76	105-60-2	4,300	3,700	–	–	–	–	–	–	640
	Hexavalent chromium compounds	88	–	920	540	380	–	–	–	–	–	–
	Toluene	300	108-88-3	73,000	–	58,000	–	4,300	–	–	–	11,000
	Bis(2-ethylhexyl)phthalate	355	117-81-7	2,600	2,200	–	–	–	–	–	–	390
	1,2,4-benzenetricarboxylic acid 1,2-anhydride	401	552-30-7	2,600	2,200	–	–	–	–	–	–	380

(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
Warabi Plant, DNP Data Techno Warabi-shi, Saitama	Dioxins and dioxin-like compounds	243	–	–	–	–	–	0.1	–	–	–	89
Sayama Plant No.1, DNP Technopack Sayama-shi, Saitama	Chromium & chromium(III) compounds	87	–	1,600	–	–	1,400	–	–	–	–	190
	Hexavalent chromium compounds	88	–	1,800	1,600	–	–	–	–	–	–	210
	Water soluble copper salts (except complex salts)	272	–	16,000	–	–	15,000	–	–	–	–	1,100
	Toluene	300	108-88-3	400,000	–	330,000	21,000	34,000	–	–	–	20,000
	N-hexane	392	110-54-3	1,900	–	1,600	75	170	–	–	–	86
Sayama Plant, DNP Imagingcomm Sayama-shi, Saitama	Toluene	300	108-88-3	1,200,000	–	1,000,000	–	22,000	–	–	–	130,000
	Formaldehyde	411	50-00-0	1,500	–	490	–	1,000	–	–	–	–
	Morpholine	455	110-91-8	1,900	–	1,600	–	35	–	–	–	210
Kamifukuoka Plant, DNP Fine Oprtonics Fujimino-shi, Saitama	2-aminoethanol	20	141-43-5	34,000	–	–	–	–	–	–	25,000	9,500
	Ferric chloride	71	7705-08-0	1,400,000	–	550,000	700,000	–	–	–	–	110,000
	Chromium & chromium(III) compounds	87	–	36,000	18,000	–	4,800	–	–	–	–	13,000
	Hexavalent chromium compounds	88	–	2,600	330	2,300	–	–	–	–	–	–
	Inorganic cyanide compounds (except complex salts and cyanate)	144	–	1,900	–	230	–	490	–	–	–	1,200
	Water soluble copper salts (except complex salts)	272	–	90,000	–	–	90,000	–	–	–	–	–
	Nickel	308	7440-02-0	24,000	21,000	–	3,500	–	–	–	–	–
	Nickel compounds	309	–	7,500	–	–	–	–	–	–	–	7,500
	Manganese and its compounds	412	–	3,200	1,800	–	460	–	–	–	33	990
Kuki Plant, DNP High-performance Materials Kuki-shi, Saitama	Ferric chloride	71	7705-08-0	190,000	–	37,000	150,000	–	–	–	–	–
	Water soluble copper salts (except complex salts)	272	–	34,000	6,800	–	27,000	–	–	–	–	–
Saitama Plant, DNP Fine Optronics Kuki-shi, Saitama	Ferric chloride	71	7705-08-0	100,000	–	10,000	93,000	–	–	–	–	–
	Water soluble copper salts (except complex salts)	272	–	18,000	–	1,800	16,000	–	–	–	–	–
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	86,000	–	82,000	–	410	–	–	–	3,800
Tokyo Plant, DNP Fine Chemicals Midori-ku, Yokohama-shi, Kanagawa	Xylene	80	1330-20-7	1,100	900	–	–	33	–	–	–	160
	Toluene	300	108-88-3	520,000	500,000	–	–	970	–	–	–	28,000
	Nickel compounds	309	–	700	680	–	–	–	–	–	–	20
	Methacrylic acid	415	79-41-4	1,500	1,400	–	–	13	–	–	–	69
	Methacrylic acid 2,3-epoxypropyl	417	106-91-2	1,500	1,100	–	–	65	–	–	–	310
	Methyl methacrylate	420	80-62-6	2,200	2,000	–	–	38	–	–	–	190
Odawara Plant, DNP Imagingcomm Odawara-shi, Kanagawa	Silver and its water soluble compounds	82	–	3,100	1,300	–	1,800	–	–	–	0.1	–

(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	–	83,000	50,000	2,100	–	–	–	980
	Xylene	80	1330-20-7	110,000	–	72,000	40,000	1,600	–	–	–	1,300
	1,2,4-trimethylbenzene	296	95-63-6	14,000	–	3,400	11,000	280	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	5,200	–	3,200	1,900	85	–	–	–	79
	Toluene	300	108-88-3	10,000	–	3,900	5,900	200	–	–	–	5.0
	Naphthalene	302	91-20-3	7,300	–	7,200	–	37	–	–	–	57
Tokai Plant, DNP Technopack Nakatsugawa-shi, Gifu	Water soluble copper salts (except complex salts)	272	–	4,000	4,000	–	–	–	–	–	–	–
	Toluene	300	108-88-3	110,000	–	63,000	–	41,000	–	–	–	1,400
DNP Color Techno Kameyama Kameyama-shi, Mie	Indium and its compounds	44	–	5,700	1,700	–	4,000	–	–	–	–	–
Kyoto Plant, DNP Technopack Ukyo-ku, Kyoto-shi, Kyoto	Chromium & chromium(III) compounds	87	–	2,900	–	–	1,800	–	–	–	4.4	1,100
	Hexavalent chromium compounds	88	–	2,900	1,800	1,100	–	–	–	–	–	–
	Toluene	300	108-88-3	510,000	–	430,000	71,000	8,600	–	–	–	2,500
Kyoto Plant, DNP Data Techno Minami-ku, Kyoto-shi, Kyoto	Toluene	300	108-88-3	15,000	–	11,000	–	220	–	–	–	4,100
Tanabe Plant, DNP Technopack Kyotanabe-shi, Kyoto	Dioxins and dioxin-like compounds	243	–	–	–	–	–	1.6	–	–	–	52
	Toluene	300	108-88-3	490,000	–	270,000	91,000	130,000	–	–	–	2,000
Nara Plant, DNP Data Techno Kawanishicho, Shiki-gun, Nara	Toluene	300	108-88-3	2,100	–	1,800	–	120	–	–	–	210
Osaka Plant, DNP Ellio Neyagawa-shi, Osaka	Ethylbenzene	53	100-41-4	43,000	–	33,000	9,600	170	–	–	–	150
	Xylene	80	1330-20-7	35,000	–	29,000	5,700	150	–	–	–	220
	1,2,4-trimethylbenzene	296	95-63-6	2,800	–	2,000	720	12	–	–	–	–
	1,3,5-trimethylbenzene	297	108-67-8	1,200	–	920	330	–	–	–	–	–
	Toluene	300	108-88-3	3,000	–	2,000	960	12	–	–	–	–
	Naphthalene	302	91-20-3	2,900	–	2,900	–	12	–	–	–	–
DNP Precision Devices Himeji Himeji-shi, Hyogo	Ferric chloride	71	7705-08-0	44,000	–	44,000	–	–	–	–	–	–
Okayama Plant, DNP Imagingcomm Okayama-shi, Okayama	Xylene	80	1330-20-7	1,800	–	1,700	90	42	–	–	–	9.5
	N,N-dimethylformamide	232	68-12-2	3,000	–	2,900	–	72	–	–	–	
	Toluene	300	108-88-3	2,100,000	7,400	1,800,000	220,000	45,000	–	–	–	16,000
	Methylenebis(4,1-phenylene) diisocyanate	448	101-68-8	2,700	2,300	370	–	8.5	–	–	–	0.1
Okayama Plant, DNP Lifestyle Materials Okayama-shi, Okayama	Epsilon-caprolactam	76	105-60-2	2,000	–	1,600	–	92	–	–	–	270
	Bis(2-ethylhexyl)phthalate	355	117-81-7	1,400	–	1,100	–	65	–	–	–	190

(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
Okayama Plant, DNP Fine Optronics Okayama-shi, Okayama	Toluene	300	108-88-3	610,000	–	410,000	170,000	33,000	–	–	–	–
Kasaoka Plant, DNP Fine Chemicals Kasaoka-shi, Okayama	2-hydroxyethyl acrylate	6	818-61-1	2,300	2,300	4.7	–	1.4	–	–	–	47
	Vinyl acetate	134	108-05-4	1,100	1,100	1.9	–	0.6	–	–	–	20
	N,N-dimethylformamide	232	68-12-2	2,300	2,200	10	–	3.5	–	–	–	80
	Toluene	300	108-88-3	1,200,000	1,100,000	3,000	–	1,500	–	–	–	55,000
	Nickel compounds	309	–	920	900	–	–	–	–	–	–	19
	Poly(oxyethylene) alkyl ether*	407	–	1,500	1,500	–	–	–	–	–	–	28
	Methyl methacrylate	420	80-62-6	1,200	960	27	–	10	–	–	–	180
Mihara East Plant, DNP Fine Optronics Mihara-shi, Hiroshima	Indium and its compounds	44	–	4,800	720	–	4,100	–	–	–	–	55
	Ferric chloride	71	7705-08-0	540,000	540,000	–	7,600	–	–	–	–	–
	Hexavalent chromium compounds	88	–	730	500	220	5.4	–	–	–	–	1.2
	Nickel	308	7440-02-0	4,600	1,400	940	2,300	–	–	–	–	–
	Nickel compounds	309	–	1,500	19	–	–	–	–	–	–	1,500
Mihara West Plant, DNP Fine Optronics Mihara-shi, Hiroshima	Toluene	300	108-88-3	190,000	–	120,000	58,000	7,100	–	–	–	–
Kurosaki Plant No.1, DNP Fine Optronics Yahatanishi-ku, Kitakyushu-shi, Fukuoka	Indium and its compounds	44	–	9,300	2,300	–	6,600	–	–	–	–	320
	Ferric chloride	71	7705-08-0	29,000	–	–	–	–	–	–	–	29,000
Kurosaki Plant No.2, DNP Fine Optronics Yahatanishi-ku, Kitakyushu-shi, Fukuoka	Indium and its compounds	44	–	1,200	180	–	1,000	–	–	–	–	1.7
Chikugo Plant, DNP Technopack Chikugo-shi, Fukuoka	Hexavalent chromium compounds	88	–	1,000	960	1.4	–	–	–	–	–	62
	Dioxins and dioxin-like compounds	243	–	–	–	–	–	–	–	–	–	13
	Water soluble copper salts (except complex salts)	272	–	5,000	4,900	–	–	–	–	–	–	160
	Toluene	300	108-88-3	480,000	–	410,000	–	60,000	–	–	–	16,000

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