

**Release and transfer volume of substances covered by PRTR law from Kuraray plants,
research laboratories and domestic affiliated companies in FY 2006**

1. This table shows the substance used more than one ton in each plant. (Specified Class 1 designated chemical substances are more than 0.5 ton).
2. Unit; metric ton (excepting dioxins; mg-TEQ for dioxins)
3. In this table, the values include affiliated companies in the plant.
Each company submits the official notice; therefore some figures in this table may not be same with the officially notified figures.
4. The official notice is two significant figure. (Unit; kg)

Okayama Plant (including Kuraray Engineering Co., Ltd., Kuraray Kuraflex Co., Ltd., Kuraray Okayama Spinning Co., Ltd., Kuraray Techno Co., Ltd.)
1-2-1, Kaigan-dori, Okayama 702-8601, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
75-07-0	acetaldehyde	1.0013			1.0013				0.0000
141-43-5	2-aminoethanol				0.0000				0.0000
-	antimony and its compounds				0.0000				0.0000
107-21-1	ethylene glycol				0.0000	0.8920			0.8920
110-80-5	ethylene glycol monoethyl ether	0.0300			0.0300	0.0100			0.0100
60-00-4	ethylenediaminetetraacetic acid				0.0000				0.0000
108-05-4	vinyl acetate	42.5284			42.5284	0.4280			0.4280
68-12-2	N,N-dimethylformamide	109.3500	74.4600		183.8100	100.3390			100.3390
108-88-3	toluene	170.2500	0.1100		170.3600	6.2100			6.2100
123-31-9	hydroquinone				0.0000				0.0000
822-06-0	hexamethylene diisocyanate				0.0000	0.0500			0.0500
-	boron and its compounds		42.5674		42.5674	0.0000			0.0000
-	poly(oxyethylene) alkyl ether (alkyl C=1				0.0000	0.0075			0.0075
50-00-00	formaldehyde	1.6901			1.6901	0.0150			0.0150
101-77-9	4,4'-methylenedianiline				0.0000	0.0200			0.0200
-	dioxins	0.4443	35.2960		35.7403	0.0001	0.0006		0.0007

Kurashiki Plant (excluding Sakazu area) (including Kuraray Tamashima Co., Ltd., Kuraray Medical Inc., Kuraray Plastics Co., Ltd., Kuraray Techno Co., Ltd., Kuraray Engineering Co., Ltd.)

7471, Tamashimaotoshima, Kurashiki, Okayama 713-8550, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
68-12-2	N,N-dimethylformamide				0.0000				0.0000
-	dioxins	3.0220	0.0136		3.0356	80.0720			80.0720

Kurashiki Plant (Sakazu area) (including Kuraray Medical Inc., Kuraray Techno Co., Ltd.)

1621, Sakazu, Kurashiki, Okayama 710-8622, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
107-21-1	ethylene glycol		0.1340		0.1340	2.2500			2.2500
67-66-3	chloroform	0.3270			0.3270	3.8270			3.8270
108-05-4	vinyl acetate	0.1670			0.1670	0.4730			0.4730
68-12-2	N,N-dimethylformamide	0.1730			0.1730	0.0440			0.0440
108-88-3	toluene	0.1910			0.1910	8.7750			8.7750

* There is no dioxins.

Niigata Plant (including Kuraray Niigata Kasei Co., Ltd., Kyosei Chemical Co., Ltd., Nihonkai Acetylene Co., Ltd., Kuraray Techno Co., Ltd.)
 2-28, Kurashiki-cho, Tainai, Niigata 959-2691, Japan

CAS No	substance	emissions volume			transport volume				
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
79-10-7	Acrylic acid				0.0000				0.0000
96-33-3	methyl acrylate	0.5703			0.5703				0.0000
75-07-0	acetaldehyde	0.4106			0.4106				0.0000
78-79-5	isoprene	13.7180			13.7180				0.0000
100-41-4	ethyl benzene				0.0000		1.2000		1.2000
1330-20-7	xylene	1.5000	14.5170		16.0170				0.0000
67-66-3	chloroform				0.0000				0.0000
74-87-3	chloromethane	0.3170			0.3170				0.0000
108-05-4	vinyl acetate	5.1611			5.1611		7.0420		0.0000
143-33-9	inorganic cyanide compounds	0.8600	0.1600		1.0200	0.3600			0.3600
56-23-5	tetrachloromethane	0.0030			0.0030				0.0000
75-09-2	dichloromethane (methylene dichloride)				0.0000				0.0000
100-42-5	styrene	0.0549			0.0549	1.9170	1.2240		3.1410
108-88-3	toluene	0.2250			0.2250		2.9450		2.9450
-	lead and its compounds				0.0000	12.1770			12.1770
-	nickel compounds				0.0000	0.0500			0.0500
-	barium compounds				0.0000				0.0000
123-31-9	hydroquinone				0.0000				0.0000
84-74-2	n-butyl phthalate				0.0000				0.0000
117-81-7	di(2-ethylhexyl)phthalate				0.0000				0.0000
50-00-0	formaldehyde				0.0000				0.0000
108-31-6	maleic anhydride				0.0000				0.0000
79-41-4	methacrylic acid	0.0330			0.0330	5.9050			5.9050
80-62-6	methyl methacrylate	14.3212	3.0300		17.3512	9.2920	3.9030		13.1950
-	dioxins	0.0366	1.2316		1.2682				0.0000

Kashima Plant (including Kuraray Techno Co., Ltd.)

36, Towada, Kamisu, Ibaraki 314-0197, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
-	zinc compounds (water-soluble)		0.7730		0.7730			0.3980	0.3980
78-79-5	isoprene	16.5471			16.5471			1.3244	1.3244
100-41-4	ethylene oxide	0.2042			0.2042				0.0000
75-21-8	ethylene oxide				0.0000			0.0263	0.0263
111-87-5	1-octanol	0.1081			0.1081				0.0000
67-66-3	chloroform	0.0010			0.0010	1.0000			1.0000
68-12-2	N,N-dimethylformamide	0.0120			0.0120			0.0012	0.0012
100-42-5	styrene	0.3404			0.3404	3.1248			3.1248
100-21-0	terephthalic acid				0.0000				0.0000
108-88-3	toluene	12.5836			12.5836	92.7968		2.0744	94.8712
-	nickel compounds				0.0000		1.2600	5.6600	6.9200
106-99-0	1,3-butadiene	0.5841			0.5841				0.0000
-	polyethyleneoxide alkyl ether				0.0000			15.0660	15.0660
9016-45-9	polyethyleneoxide mono(nonylphenyl) ether				0.0000			0.8000	0.8000
50-00-0	formaldehyde	0.4788			0.4788			28.0196	28.0196
108-31-6	maleic anhydride	0.1154			0.1154				0.0000
80-62-6	methyl methacrylate				0.0000				0.0000
98-83-9	alpha-methylstyrene				0.0000				0.0000
-	molybdenum and its compounds				0.0000				0.0000
-	dioxins	0.5905			0.5905			0.0014	0.0014

Kuraray Saijo Co., Ltd. (including Kuraray Techno Co., Ltd., Kuraray Kikoh Co., Ltd.)

892, Tsuitachi, Saijo, Ehime 793-8585, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
75-07-0	acetaldehyde	0.5736			0.5736				0.0000
-	antimony and its compounds				0.0000				0.0000
107-21-1	ethylene glycol	0.9514			0.9514				0.0000
123-91-1	1,4-dioxane		3.3896		3.3896	0.5633			0.5633
100-21-0	terephthalic acid				0.0000				0.0000
108-95-2	phenol	0.0183	0.1440		0.1623	2.3080			2.3080
50-00-0	formaldehyde				0.0000	0.0728			0.0728

* There is no dioxins.

Tsukuba Research Laboratories

41, Miyukigaoka, Tsukuba, Ibaraki 305-0841, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
108-88-3	toluene	0.2846			0.2846				0.0000

* There is no dioxins.

Tsurumi Plant, Kuraray Chemical Co., Ltd. (including KC Processing Co., Ltd.)

4342, Tsurumi, Bizen, Okayama 705-0025, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
62-53-3	aniline				0.0000				0.0000
-	silver and its water-soluble compounds				0.0000				0.0000
108-88-3	toluene				0.0000				0.0000

* There is no dioxins.

Ibuki Plant, Kuraray Plastics Co., Ltd. (including Ibuki Kosan Co., Ltd.)

4330, Osa, Tarui-cho, Fuwa-gun, Gifu 503-2122, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
103-23-1	di(2-ethylhexyl)adipate				0.0000		0.0010		0.0010
108-88-3	toluene	0.5400			0.5400				0.0000
117-81-7	di(2-ethylhexyl)phthalate				0.0000	1.3260	0.8750		2.2010

* There is no dioxins.

Hokkaido Plant, Kuraray Interior Co., Ltd.

194, Okayama, Mikasa, Hokkaido 068-2165, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
108-88-3	toluene	2.8000			2.8000				0.0000

* There is no dioxins.

Maruoka Plant, Kuraray Fastening Co., Ltd.

56, Noune, Maruoka-cho, Sakai, Fukui 910-0273, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
-	antimony and its compounds				0.0000	0.3100			0.3100
100-37-8	2-(diethylamino)ethanol	0.8440			0.8440				0.0000
1163-19-5	decabromodiphenyl ether				0.0000	0.3700			0.3700
108-88-3	toluene	4.0440			4.0440	2.0580			2.0580

* There is no dioxins.

Okayama plant, Kuraray Trading Co., Ltd.

1099, Kawabe, Mabi-cho, Kurashiki, Okayama 710-1313, Japan

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
117-81-7	di(2-ethylhexyl)phthalate				0.0000				0.0000

* There is no dioxins.