

**Release and transfer volume of substances covered by PRTR law from Kuraray plants,
research laboratories and domestic affiliated companies in FY 2007**

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	1.0975			1.0975				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	0.7519			0.7519
60-00-4	ethylenediaminetetraacetic acid				0.0000				0.0000
75-56-9	1,2-epoxypropane				0.0000				0.0000
108-05-4	vinyl acetate	41.5158			41.5158	0.4750			0.4750
68-12-2	N,N-dimethylformamide	91.9300	52.4200		144.3500	116.5700			116.5700
108-88-3	toluene	139.5100	0.0300		139.5400	5.6800			5.6800
123-31-9	hydroquinone				0.0000				0.0000
822-06-0	hexamethylene diisocyanate				0.0000	0.0300			0.0300
—	boron and its compounds		44.3476		44.3476	0.0000			0.0000
—	poly(oxyethylene) alkyl ether (alkyl C=12-15)				0.0000	0.0037			0.0037
50-00-00	formaldehyde	0.9911			0.9911	0.0300			0.0300
101-77-9	4,4'-methylenedianiline				0.0000	0.0200			0.0200
—	dioxins	0.2155	13.5760		13.7915	0.00001			0.00001

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
107-21-1	ethylene glycol		0.5710		0.5710	4.2500			4.2500
68-12-2	N,N-dimethylformamide				0.0000				0.0000
100-21-0	terephthalic acid				0.0000				0.0000
—	dioxins	6.5883	0.1094		6.6977	0.4258			0.4258

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
67-66-3	chloroform	0.2590			0.2590	3.2730			3.2730
108-88-3	toluene	0.6130			0.6130	8.6710			8.6710

* 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	0.5774			0.5774				0.0000
75-07-0	acetaldehyde	0.4156			0.4156				0.0000
78-79-5	isoprene	15.2856			15.2856				0.0000
100-41-4	ethyl benzene				0.0000		1.2000		1.2000
1330-20-7	xylene	2.0610	16.7610		18.2200				0.0000
74-87-3	chloromethane	0.1360			0.1360				0.0000
108-05-4	vinyl acetate	4.4131			4.4131		10.9130		10.9130
143-33-9	inorganic cyanide compounds	0.7920	0.0970		0.8890	0.3207			0.3207
56-23-5	tetrachloromethane	0.0013			0.0013				0.0000
75-09-2	dichloromethane (methylene dichloride)				0.0000				0.0000
100-42-5	styrene	0.0586			0.0586				0.0000
108-88-3	toluene	0.0100			0.0100	0.1850	2.7200		2.9050
—	lead and its compounds				0.0000				0.0000
—	barium and its water-soluble compounds				0.0000				0.0000
123-31-9	hydroquinone				0.0000				0.0000
84-74-2	di-n-butyl phthalate				0.0000				0.0000
117-81-7	bis(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				0.0000
80-62-6	methyl methacrylate	52.5577	2.2175		54.7752	6.3220	6.3220		12.6440
—	dioxins	0.1004	0.6306		0.7310	0.0010			0.0010

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)		0.6870		0.6870			0.0390	0.0390
78-79-5	isoprene	11.6553			11.6553			3.6831	3.6831
100-41-4	ethylbenzene	0.2033			0.2033				0.0000
75-21-8	ethylene oxide				0.0000				0.0000
111-87-5	1-octanol	0.0815			0.0815				0.0000
67-66-3	chloroform	0.0010			0.0010	1.0000			1.0000
68-12-2	N,N-dimethylformamide				0.0000				0.0000
100-42-5	styrene	0.3269			0.3269	2.3436			2.3436
100-21-0	terephthalic acid				0.0000				0.0000
108-88-3	toluene	15.6263			15.6263	72.9846		3.6322	76.6168
—	nickel compounds				0.0000		1.0400	3.4300	4.4700
106-99-0	1,3-butadiene	0.5469			0.5469				0.0000
—	poly(oxyethylene) alkyl ether (alkyl C=12-15)				0.0000			34.8690	34.8690
50-00-0	formaldehyde	0.1374			0.1374			27.7780	27.7780
108-31-6	maleic anhydride				0.0000			0.1146	0.1146
80-62-6	methyl methacrylate	0.2841			0.2841				0.0000
98-83-9	α -methylstyrene				0.0000				0.0000
—	molybdenum and its compounds				0.0000			0.1844	0.1844
—	dioxins	0.6637			0.6637			0.1706	0.1706

Saijo Plant (including Kuraray Saijo Co., Ltd, 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	0.4841			0.4841				0.0000
—	antimony and its compounds				0.0000				0.0000
107-21-1	ethylene glycol	0.9873			0.9873				0.0000
123-91-1	1,4-dioxane		3.2671		3.2671	0.3079			0.3079
100-21-0	terephthalic acid				0.0000				0.0000
108-95-2	phenol	0.0031	0.1080		0.1111	1.7220			1.7220
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	0.0474			0.0474				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	bis(2-ethylhexyl) adipate				0.0000	0.0130			0.0130
108-88-3	toluene	0.3400			0.3400				0.0000
117-81-7	bis(2-ethylhexyl) phthalate				0.0000	1.7320			1.7320

* 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	1.8000			1.8000				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	0.2110			0.2110
100-37-8	2-(diethylamino)ethanol	0.8130			0.8130				0.0000
1163-19-5	decabromodiphenyl ether				0.0000	0.2530			0.2530
108-88-3	toluene	3.4735			3.4735	1.7677			1.7677

* There is no dioxins.