

FY2005 Kuraray plants , research laboratories and affiliated companies emission and transport volumes covered by PRTR Law of each facility.

- 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; ton (Except Dioxins; at Dioxins unit is mg-TEQ)
- 3 . In this table, the values include affiliated companies in the plant.
The official notice is send by each company, therefor some number in this table may not match w/official notification number.
- 4 . The official notice is two significant figure. (Unit; kg)

Okayama Plant (including Kuraray Engineering Co., Ltd. Okayama branch, Kuraray Kuraflex Co., Ltd., Kuraray Okayama Spinning Co., Ltd., Kuraray Techno Co., Ltd. Okayama branch)
1-2-1, Kaigan-dori, Okayama City, Okayama Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
75-07-0	acetaldehyde	1.2050	0	0	1.2050	0	0	0	0
141-43-5	2-aminoethanol	0	0	0	0	0	0	0	0
-	antimony and its compounds	0	0	0	0	0	0	0	0
107-21-1	ethylene glycol	0	0	0	0	1.0114	0	0	1.0114
110-80-5	ethylene glycol monoethyl ether	0.0300	0	0	0.0300	0.0400	0	0	0.0400
60-00-4	ethylenediaminetetraacetic acid	0	0	0	0	0	0	0	0
75-56-9	propylene oxide	0	0	0	0	4.4750	0	0	4.4750
108-05-4	vinyl acetate	52.3750	0	0	52.3750	0.4402	0	0	0.4402
68-12-2	N,N-dimethylformamide	101.6900	76.1000	0	177.7900	107.8400	0	0	107.8400
108-88-3	toluene	186.5630	0.1100	0	186.6730	6.5040	0	0	6.5040
123-31-9	hydroquinone	0	0	0	0	0	0	0	0
822-06-0	hexamethylene diisocyanate	0	0	0	0	0.0300	0	0	0.0300
-	boron and its compounds	0	31.4200	0	31.4200	0.1470	0	0	0.1470
-	poly(oxyethylene) alkyl ether (alkyl C=12-15)	0	0	0	0	0.0160	0	0	0.0160
50-00-0	formaldehyde	1.2801	0	0	1.2801	0.0370	0	0	0.0370
101-77-9	4,4'-methylenedianiline	0	0	0	0	0.0200	0	0	0.0200
-	dioxins	0.3232	37.2610	0	37.5842	0.0012	0	0	0.0012

Kurashiki Plant(Kurashiki) (including Kuraray Medical Co., Ltd., Kuraray Engineering Co., Ltd. Kurashiki branch, Kuraray Techno Co., Ltd. Kurashiki branch)
1621, Sakazu, Kurashiki City, Okayama Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
107-21-1	ethylene glycol	0	0.1940	0	0.1940	10.0060	0	0	10.0060
67-66-3	chloroform	0.6440	0	0	0.6440	6.7340	0	0	6.7340
108-05-4	vinyl acetate	0.0337	0	0	0.0337	0.5709	0	0	0.5709
68-12-2	N,N-dimethylformamide	0	0	0	0.0000	3.9815	0	0	3.9815
100-21-0	terephthalic acid	0	0	0	0	0	0	0	0
108-88-3	toluene	1.0846	0	0	1.0846	7.8824	0	0	7.8824
80-62-6	methyl methacrylate	0.0046	0	0	0.0046	0.0354	0	0	0.0354

There is no dioxins.

Kurashiki Plant(Tamashima) (including Kuraray Tamashima Co., Ltd., Kuraray Techno Co., Ltd. Kurashiki branch, Kuraray Engineering Co., Ltd. Kurashiki branch,
7471, Tamashima-otoshima, Kurashiki City, Okayama Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
-	dioxins	43.1924	0.0733	0	43.2657	0.0296	0	0	0.0296

Niigata Plant (including Kuraray Niigata Kasei Co., Ltd., Kyosei Chemical Co., Ltd., Nihonkai Acetylene Co., Ltd., Kuraray Engineering Co., Ltd. Nakajo branch, Kuraray Techno Co., Ltd. Nakajo bra
2-28, Kurashiki-cho, Tainai City, Niigata Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
79-10-7	Acrylic acid	0	0	0	0	0	0	0	0
96-33-3	methyl acrylate	0.5255	0.0000	0	0.5255	0	0	0	0
75-07-0	acetaldehyde	2.5052	0	0	2.5052	0	0	0	0
78-79-5	isoprene	13.5460	0	0	13.5460	0	0	0	0
1330-20-7	xylene	1.5113	16.1980	0	17.7093	0	0	0	0
67-66-3	chloroform	0	0	0	0	0	0	0	0
108-05-4	vinyl acetate	26.3962	0	0	26.3962	0	8.4700	0	8.4700
	inorganic cyanide compounds	1.9200	0.1750	0	2.0950	0.3800	0	0	0.3800
56-23-5	tetrachloromethane	0.0120	0	0	0.0120	0	0	0	0
75-09-2	dichloromethane (methylene dichloride)	0	0	0	0	0	0	0	0
100-42-5	styrene	0.0466	0.0000	0	0.0466	1.8790	2.2400	0	4.1190
108-88-3	toluene	1.0070	0.5000	0	1.5070	0.7100	6.1200	0	6.8300
-	lead and its compounds	0	0	0	0	12.1640	0	0	12.1640
-	barium compounds	0	0	0	0	0	0	0	0
123-31-9	hydroquinone	0	0	0	0	0	0	0	0
84-74-2	n-butyl phthalate	0	0	0	0	0	0	0	0
117-81-7	di(2-ethylhexyl)phthalate	0	0	0	0	0	0	0	0
50-00-0	formaldehyde	0	0	0	0	0	0	0	0
108-31-6	maleic anhydride	0	0	0	0	0	0	0	0
79-41-4	methacrylic acid	0.0580	0	0	0.0580	5.8930	0	0	5.8930
80-62-6	methyl methacrylate	16.1545	2.6620	0	18.8165	8.3050	2.2400	0	10.5450
-	dioxins	0.6300	0.3094	0	0.9394	0.0151	0	0	0.0151

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

36, Touwada, kamisu City, Ibaraki Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
-	zinc compounds (water-soluble)	0	0.7580	0	0.7580	0	0	0.3820	0.3820
78-79-5	isoprene	18.2607	0	0	18.2607	0	0	7.7772	7.7772
75-21-8	ethylene oxide	0	0	0	0	0	0	0	0
111-87-5	1-octanol	0.0987	0	0	0.0987	0	0	0.0801	0
100-42-5	styrene	0.2821	0	0	0.2821	0	0	0	0
100-21-0	terephthalic acid	0	0	0	0	0	0	0	0
108-88-3	toluene	8.2814	0	0	8.2814	129.6549	0	2.1179	131.7728
	nickel compounds	0	0	0	0	0	0	6.2900	6.2900
106-99-0	1,3-butadiene	0.2797	0	0	0.2797	0	0	0	0
9016-45-9	polyethyleneoxide mono(nonylphenyl) ether	0	0	0	0	0	0	14.8880	14.8880
50-00-0	formaldehyde	0.4272	0	0	0.4272	0	0	30.1015	30.1015
108-31-6	maleic anhydride	0.1205	0	0	0.1205	0	0	0.0378	0.0378
80-62-60	methyl methacrylate	0	0	0	0	0	0	0	0
98-83-9	alpha-methylstyrene	0	0	0	0	0	0	0	0
	molybdenum and its compounds	0	0	0	0	0	0	0.0742	0.0742
-	dioxins	0.0938	0	0	0.0938	0	0	0.0080	0.0080

Kuraray Saijo Co., Ltd. (including Kuraray Techno Co., Ltd. Saijo branch, Kuraray Engineering Co., Ltd. Saijo branch, Saijo kakoushi Co., Ltd. Kuraray Kikoh Co., Ltd.)

892, Tsuitachi, Saijo City, Ehime Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
75-07-0	acetaldehyde	0.5370	0	0	0.5370	0	0	0	0
-	antimony and its compounds	0	0	0	0	0	0	0	0
107-21-1	ethylene glycol	1.0130	0	0	1.0130	0	0	0	0
123-91-1	1,4-dioxane	0	2.7630	0	2.7630	0	0	0	0
100-21-0	terephthalic acid	0	0	0	0	0	0	0	0
108-95-2	phenol	0	0.5690	0	0.5690	0.7000	0	0	0.7000
50-00-0	formaldehyde	0	0	0	0	0.106	0	0	0.1060

There is no dioxins.

Tsukuba Research Laboratories

41, Miyukigaoka, Tsukuba, Ibaraki Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
108-88-3	toluene	0.1990	0	0	0.1990	1.6199	0	0	1.6199

There is no dioxins.

Tsurumi Plant, Kuraray Chemical Co., Ltd.

4342, Tsurumi, Bizen City, Okayama Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
62-53-3	aniline	0	0	0	0	0	0	0	0
-	silver and its water-soluble compounds	0	0	0	0	0	0	0	0
108-88-3	toluene	0	0	0	0	0	0	0	0

There is no dioxins.

Ibuki Plant, Kuraray Plastics Co., Ltd.

4330, Osa, Tarui-cho, Fuwa-gun, Gifu Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
95-33-0	N-cyclohexyl-2-benzothiazolesulfenamide	0	0	0	0	0	0	0	0
108-88-3	toluene	0.3350	0	0	0.3350	0	0	0	0
-	lead and its compounds	0	0	0	0	0.0170	0	0	0.0170
117-81-7	di(2-ethylhexyl)phthalate	0	0	0	0	3.8030	0	0	3.8030

There is no dioxins.

Hokkaido Plant, Kuraray Interior Co., Ltd.

194, Okayama, Mikasa City, Hokkaido Prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
108-88-3	toluene	2.9000	0	0	2.9000	0	0	0	0

There is no dioxins.

Maruoka Plant, Kuraray Fastening Co., Ltd.

56, Noune, Maruoka-cho, Sakai-gun, Fukui prefecture

CAS No	substance	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
-	antimony and its compounds	0	0	0	0	0.3150	0	0	0.3150
100-37-8	2-(diethylamino)ethanol	0.9080	0	0	0.9080	0	0	0	0
1163-19-5	decabromodiphenyl ether	0	0	0	0	0.3800	0	0	0.3800
108-88-3	toluene	3.5230	0	0	3.5230	1.7930	0	0	1.7930

There is no dioxins.

Okayama plant, Kuraray Trading Co., Ltd.

1099, Aza-Shinden, Oaza-Kawabe, Mabi-cho, Kibi-gun, Okayama Prefecture

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	0	0	0	0	0	0	0

There is no dioxins.