

FY2004 Kuraray plants and research laboratories 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 0.1 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, Kuraflex Co., Ltd., Kuraray Okayama Spinning Co., Ltd., Kuraray Techno Co., Ltd. Okayama branch)
1-2-1, Kaigandori, 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	0.4600	0	0	0.4600	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	1.0640	0	0	1.0640
110-80-5	ethylene glycol monoethyl ether	1.1600	0	0	1.1600	0.0900	0	0	0.0900
60-00-4	ethylenediaminetetraacetic acid	0	0	0	0	0	0	0	0
108-05-4	vinyl acetate	70.3580	0	0	70.3580	1.1300	0	0	1.1300
68-12-2	N,N-dimethylformamide	101.2700	91.3100	0	192.5800	105.8200	0	0	105.8200
108-88-3	toluene	190.5100	0.1100	0	190.6200	6.2400	0	0	6.2400
123-31-9	hydroquinone	0	0	0	0	0	0	0	0
822-06-0	hexamethylene diisocyanate	0	0	0	0	0.0400	0	0	0.0400
-	boron and its compounds	0	35.0700	0	35.0700	0	0	0	0
-	poly(oxyethylene) alkyl ether (alkyl C=12-15)	0	0	0	0	0.5730	0	0	0.5730
9016-45-9	polyethyleneoxide mono(nonylphenyl) ether	0	0	0	0	0.0040	0	0	0.0040
50-00-0	formaldehyde	1.2502	0	0	1.2502	0.0330	0	0	0.0330
101-77-9	4,4'-methylenedianiline	0	0	0	0	0.0300	0	0	0.0300
-	dioxins	0.0915	16.8600	0	16.9515	0.0020	0	0	0.0020

Kurashiki Plant (including Kuraray Medical Co., Ltd., Kuraray Techno Co., Ltd. Kurashiki branch, Kuraray Engineering 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	0.2050	0	0.2050	14.0000	0	0	14.0000
75-56-9	1,2-epoxypropane	0	0	0	0	0.7520	0	0	0.7520
67-66-3	chloroform	0.4570	0	0	0.4570	4.6240	0	0	4.6240
68-12-2	N,N-dimethylformamide	0	7.1340	0	7.1340	10.9550	0	0	10.9550
100-21-0	terephthalic acid	0	0	0	0	3.0000	0	0	3.0000
108-88-3	toluene	0.7190	0	0	0.7190	5.2800	0	0	5.2800
80-62-6	methyl methacrylate	0.0050	0	0	0.0050	0.0510	0	0	0.0510

There is no dioxins.

Kuraray Tamashima Co., Ltd. (including 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
108-31-6	maleic anhydride	0	0	0	0	0	0	0	0
-	dioxins	5.4160	0.0120	0	5.4260	0.0010	0	0	0.0010

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

CAS No	物質 名称	emissions volume				transport volume			
		atmosphere	water area	soil	total	waste	recycled	sewage works	total
140-88-5	ethyl acrylate	0.0023	0.0091	0	0.0114	0	0	0	0
96-33-3	methyl acrylate	0.4063	1.6252	0	2.0315	0	0	0	0
75-07-0	acetaldehyde	0.0764	0	0	0.0764	0	0	0	0
78-79-5	isoprene	18.5865	0	0	18.5865	0	0	0	0
1330-20-7	xylene	1.7775	12.9020	0	14.6795	2.2705	0	0	2.2705
67-66-3	chloroform	0.0003	0	0	0.0003	0	0	0	0
108-05-4	vinyl acetate	7.3882	0	0	7.3882	0	0	0	0
	inorganic cyanide compounds	2.0000	0.1887	0	2.1887	0.4151	0	0	0.4151
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	0.0446	0.1786	0	0.2232	1.9110	0	0	1.9110
108-88-3	toluene	0.3180	0	0	0.3180	0.2800	0	0	0.2800
-	lead and its compounds	0	0	0	0	11.0040	0	0	11.0040
-	nickel compounds	0	0	0	0	7.5000	0	0	7.5000
-	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	0.0550	0	0	0.0550	5.3240	0	0	5.3240
80-62-6	methyl methacrylate	17.3839	38.6658	0	56.0497	9.9780	0	0	9.9780
-	dioxins	0.3450	1.9554	0	2.3004	0.0001	0	0.0750	0.0751

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	0.8390	0	0.8390	0	0	0.3380	0.3380
78-79-5	isoprene	17.7737	0	0	17.7737	0	0	7.8235	7.8235
75-21-8	ethylene oxide	0	0	0	0	0	0	0	0
107-21-1	ethylene glycol	0.0010	0	0	0.0010	0	0	0	0
111-87-5	1-octanol	0.0994	0	0	0.9940	0	0	0	0
68-12-2	N,N-dimethylformamide	0.0030	0	0	0.0030	0	0	0.0003	0.0003
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	0.9180	0	0	0.9180	144.8675	0	0.0011	144.8686
	nickel compounds	0	0	0	0	0	0	5.3770	5.3770
106-99-0	1,3-butadiene	0.8431	0	0	0.8431	0	0	0	0
9016-45-9	polyethyleneoxide mono(nonylphenyl)	0	0	0	0	0	0	14.5720	14.5720
50-00-0	formaldehyde	0.5627	0	0	0.5627	0	0	28.1161	28.1161
108-31-6	maleic anhydride	0.1300	0	0	0.1300	0	0	0.0007	0.0007
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	1.3483		0.2294	1.5777
-	dioxins	0.2938	0	0	0.2938	0	0	0.0797	0.0797

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	0.8671	0	0	0.8671	0	0	0	0
-	antimony and its compounds	0	0	0	0	0	0	0	0
107-21-1	ethylene glycol	1.2193	0	0	1.2193	0	0	0	0
100-21-0	terephthalic acid	0	0	0	0	0	0	0	0
108-95-2	phenol	0	1.0400	0	1.0400	0.0663	0	0	0.0663

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	0.3891	0	0	0.3891	3.3198	0	0	3.3198
80-62-6	methyl methacrylate	0.0707	0	0	0.0707	0.0695	0	0	0.0695

There is no dioxins.