

Transfer and Release of Hazardous Substances

Annual Kobe Steel Group Transfer and Release of Hazardous Substances Subject to PRTR Reporting (fiscal 2018) Unit: kg (dioxins: mg-TEQ)

Substance	Kobe Steel			Group Companies			
	Release	Transfer	No. of locations	Release	Transfer	No. of locations	
1	Zinc compounds (water-soluble)	870	0	2	92	1,100	5
20	2-aminoethanol	0	30	2	0	0	-
53	Ethylbenzene	10,000	990	4	95,000	11,000	6
57	Ethylene glycol monoethyl ether	58	20	1	0	0	-
71	Ferric chloride	0	110,000	2	0	0	3
74	P-octylphenol	0	0	1	0	0	-
80	Xylene	28,000	3,200	9	200,000	43,000	9
85	Glutaraldehyde	0	0	1	0	0	-
87	Chromium and chromium(III) compounds	49	43,000	7	57	25,000	2
88	Chromium (VI) compounds	0	930	3	0	700	1
104	Chlorodifluoromethane; HCFC-22	1,000	0	1	0	0	-
132	Cobalt and its compounds	0	0	-	76	2,500	1
144	Inorganic cyanide compounds (except complex salts and cyanates)	25	820	1	0	0	-
149	Tetrachloromethane	410	650	1	0	0	-
185	Dichloropentafluoropropane; HCFC-225	3,700	0	1	0	0	-
186	Dichloromethane; methylene dichloride	42,000	690	2	4,800	290	3
240	Styrene	0	0	1	0	0	-
243	Dioxins	430	0	4	0	0	-
262	Tetrachloroethylene	0	0	-	26,000	44,000	2
272	Copper salts (water-soluble, except complex salts)	510	18,000	2	0	0	-
273	1-dodecanol; n-dodecyl alcohol	0	0	1	0	0	-
277	Triethylamine	3,200	360	2	3,400	0	1
281	Trichloroethylene	0	0	-	6,400	2,900	1
296	1,2,4-trimethylbenzene	19,000	860	6	8,700	2,100	6
297	1,3,5-trimethylbenzene	6,600	740	2	3,900	600	3
300	Toluene	76,000	600	5	100,000	42,000	9
302	Naphthalene	19	330	1	0	0	-
304	Lead	0	0	1	0	0	1
305	Lead compounds	0	0	-	8	6,000	2
308	Nickel	5	2,800	6	0	36	3
309	Nickel compounds	280	4,000	3	380	31,000	4
321	Vanadium compounds	0	0	1	35	9,800	1
333	Hydrazine	6	0	1	0	0	1
349	Phenol	0	0	1	0	0	1
368	4-tert-butylphenol	0	0	-	0	15	1
374	Hydrogen fluoride and its water-soluble salts	19,000	5,600	4	310	2,600	4
389	Hexadecyltrimethylammonium chloride	0	0	1	0	0	-
392	N-hexane	59	0	1	0	0	-
400	Benzene	13	0	1	0	0	-
405	Boron compounds	2,200	24	3	1	250	1
407	Poly(oxyethylene) alkyl ether (alkyl C=12-15)	5,200	12,000	2	0	0	-
408	Poly(oxyethylene) octylphenyl ether	42	4,200	1	0	0	-
410	Poly(oxyethylene) nonylphenyl ether	200	0	2	0	1,000	1
411	Formaldehyde	0	0	1	0	0	-
412	Manganese and its compounds	2,000	52,000	8	640	83,000	3
438	Mthyl naphthalene	0	0	-	390	0	2
448	Methylenebis (4,1-phenylene) diisocyanate	0	0	1	0	0	-
453	Molybdenum and its compounds	990	20,000	5	550	8,600	2
460	Tritolyl phosphate	1	0	2	0	0	-