

## Transfer and Release of Hazardous Substances

Annual Kobe Steel Group Transfer and Release of Hazardous Substances Subject to PRTR Reporting  
(fiscal 2020)

Unit: kg (dioxins: mg-TEQ)

Substance		Release <sup>*1</sup>	Transfer <sup>*2</sup>
1	Zinc compounds (water-soluble)	630	4300
20	2-aminoethanol	0	24
53	Ethylbenzene	91220	23603
57	Ethylene glycol monoethyl ether	46	15
71	Ferric chloride	0	183500
74	P-octylphenol	0	0
80	Xylene	121750	27670
85	Glutaraldehyde	0	0
87	Chromium and chromium (III) compounds	116.8	62025.6
88	Chromium (VI) compounds	0	2150.3
132	Cobalt and its compounds	60.1	2100
144	Inorganic cyanide compounds (except complex salts and cyanates)	26	1400
186	Dichloromethane; methylene dichloride	27640	269
240	Styrene	0	0
262	Tetrachloroethylene	36100	18000
272	Copper salts (water-soluble, except complex salts)	420	14
273	1-dodecanol; n-dodecyl alcohol	0	0
277	Triethylamine	5060	280
281	Trichloroethylene	3200	1500
296	1,2,4-trimethylbenzene	29053.4	3185
297	1,3,5-trimethylbenzene	8180	679
300	Toluene	144690	20963.2
304	Lead	0	0
305	Lead compounds	8.5	5000
308	Nickel	5.7	4426.2
309	Nickel compounds	524.2	41140
321	Vanadium compounds	17.2	7700.05
333	Hydrazine	9	0
349	Phenol	0	0
368	4-tert-butylphenol	0.1	13
374	Hydrogen fluoride and its water-soluble salts	46135.3	4704
384	1-Bromopropane	780	380
389	Hexadecyltrimethylammonium chloride	0	0
392	N-hexane	45	0
400	Benzene	31	0
405	Boron compounds	1300.5	184.4
407	Poly (oxyethylene) alkyl ether (alkyl C=12-15)	4900	14003.9
408	Poly (oxyethylene) octylphenyl ether	17	1700
410	Poly (oxyethylene) nonylphenyl ether	230	1700
412	Manganese and its compounds	2218.7	121664.9
438	Methylnaphthalene	160	7000
448	Methylenebis (4,1-phenylene) diisocyanate	0	0
453	Molybdenum and its compounds	963.6	26780.1
460	Tritolyl phosphate	0	0
461	Triphenyl phosphate	0	0

\*1 Total releases to air and public water bodies

\*2 Total transfers outside the premises and to sewage