

Transfer and Release of Hazardous Substances

Annual KOBELCO Group Transfer and Release of Hazardous Substances Subject to PRTR Reporting (fiscal 2019)

Substance		Release ^{*1}	Transfer ^{*2}
1	Zinc compounds (water-soluble)	736.0	1,300.0
20	2-aminoethanol	0.0	33.0
53	Ethylbenzene	125,690.0	34,100.0
57	Ethylene glycol monoethyl ether	51.0	18.0
71	Ferric chloride	0.0	200,000.0
74	P-octylphenol	0.0	0.0
80	Xylene	165,701.0	40,080.0
85	Glutaraldehyde	0.0	0.0
87	Chromium and chromium (III) compounds	99.7	65,541.8
88	Chromium (VI) compounds	0.0	2,071.6
132	Cobalt and its compounds	76.1	2,400.0
144	Inorganic cyanide compounds (except complex salts and cyanates)	34.0	610.0
185	Dichloropentafluoropropane; HCFC-225	3,600.0	0.0
186	Dichloromethane; methylene dichloride	43,500.0	2,700.0
240	Styrene	0.0	0.0
262	Tetrachloroethylene	27,320.0	21,000.0
272	Copper salts (water-soluble, except complex salts)	520.0	11.0
273	1-dodecanol; n-dodecyl alcohol	0.0	0.0
277	Triethylamine	7,070.0	310.0
281	Trichloroethylene	6,400.0	2,600.0
296	1,2,4-trimethylbenzene	26,233.5	3,085.0
297	1,3,5-trimethylbenzene	9,000.0	394.0
300	Toluene	165,470.0	24,700.0
302	Naphthalene	8.0	150.0
304	Lead	0.0	0.0
305	Lead compounds	8.9	6,400.0
308	Nickel	5.6	3,353.1
309	Nickel compounds	727.3	40,600.0
321	Vanadium compounds	35.6	8,900.0
333	Hydrazine	10.0	0.0
349	Phenol	0.0	0.0
368	4-tert-butylphenol	0.2	17.0
374	Hydrogen fluoride and its water-soluble salts	49,136.7	2,814.0
389	Hexadecyltrimethylammonium chloride	0.0	0.0
392	N-hexane	240.0	0.0
400	Benzene	37.0	0.0
405	Boron compounds	1,100.9	343.5
407	Poly (oxyethylene) alkyl ether (alkyl C=12-15)	5,500.0	16,004.2
408	Poly (oxyethylene) octylphenyl ether	38.0	3,700.0
410	Poly (oxyethylene) nonylphenyl ether	230.0	1,400.0
411	Formaldehyde	11.0	0.0
412	Manganese and its compounds	4,280.4	134,311.3
438	Methylnaphthalene	170.0	4,200.0
448	Methylenebis (4,1-phenylene) diisocyanate	0.0	0.0
453	Molybdenum and its compounds	1,303.5	29,451.2
460	Tritolyl phosphate	1.0	0.0
461	Triphenyl phosphate	0.0	0.0

*1 Total releases to air and public water bodies

*2 Total transfers outside the premises and to sewage