

Main Release and Transfer Amounts Reported under PRTR Law (fiscal 2018)

Unit: kg

■ Iron & Steel

Kakogawa Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Toluene	27,000	0	0	0	0	350	Painting
Xylene	7,000	0	0	0	0	2,600	Painting
Ethylbenzene	3,600	0	0	0	0	590	Painting

Kobe Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Toluene	1,700	0	0	0	0	0	Contained in gasoline for fuel
Zinc compounds (water-soluble)	0	40	0	0	0	0	Surface treatment

Kobelco Engineered Construction Materials Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Xylene	6,700	0	0	0	0	0	Painting
Ethylbenzene	5,100	0	0	0	0	0	Painting
Toluene	1,100	0	0	0	0	0	Painting

Shinko Wire Company, Ltd. (Amagasaki Works)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Nickel compounds	0	37	0	0	0	10,000	Surface treatment
Lead compounds	0	5	0	0	0	3,500	Heat treatment
Zinc compounds (water-soluble)	0	49	0	0	0	0	Surface treatment

Shinko Wire Company, Ltd. (Onoe Works)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Zinc compounds (water-soluble)	0	43	0	0	0	0	Surface treatment
Lead compounds	0	3	0	0	0	2,500	Heat treatment

Shinko Wire Company, Ltd. (Nishikinohama Works)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Zinc compounds (water-soluble)	0	0	0	0	0	1,100	Pickling

Shinko Wire Stainless Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Dichloromethane (also called methylene dichloride)	1,800	0	0	0	0	0	Cleaning
Tetrachloroethylene	25,000	0	0	0	0	44,000	Cleaning
Toluene	2,100	0	0	0	0	0	Cleaning

Kobelco Steel Tube Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Hydrogen fluoride and its water-soluble salts	150	0	0	0	0	0	Pickling

Main Release and Transfer Amounts Reported under PRTR Law (fiscal 2018)

Unit: kg

Nippon Koshuha Steel Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Manganese and its compounds	6	580	0	0	0	67,000	Steelmaking
Chromium and chromium (III) compounds	8	48	0	0	0	25,000	Steelmaking
Nickel compounds	2	340	0	0	0	18,000	Steelmaking

Koshuha-Foundry Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Xylene	17,000	0	0	0	0	11	Painting
Toluene	14,000	0	0	0	0	14	Painting
Ethylbenzene	5,700	0	0	0	0	4	Painting

Main Release and Transfer Amounts Reported under PRTR Law (fiscal 2018)

Unit: kg

■ Welding

Fujisawa Plant

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Molybdenum and its compounds	0	0	0	0	0	92	Added to welding wires and lubricant
Chromium and chromium (III) compounds	0	0	0	0	0	20	Added to welding wires
Nickel	0	0	0	0	0	8	Added to welding wires

Ibaraki Plant

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Manganese and its compounds	19	0	0	0	4	21,000	Added to welding wires
Molybdenum and its compounds	3	0	0	0	0	17,000	Added to welding wires and lubricant
Chromium and chromium (III) compounds	2	0	0	0	1	4,500	Added to welding wires

Saijo Plant

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Manganese and its compounds	11	0	0	0	0	7,300	Added to welding rods
1,2,4-trimethylbenzene	43	0	0	0	0	0	Contained in fuel
Xylene	37	0	0	0	0	0	Contained in fuel

Fukuchiyama Plant

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Ferric chloride	0	0	0	0	0	110,000	Pickling
Molybdenum and its compounds	0	0	0	0	140	1,400	Lubricant for wire drawing

Hanshin Yosetsu Kizai Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Manganese and its compounds	41	0	0	0	0	14,000	Flux material
Boron compounds	1	0	0	0	0	250	Flux melting

Main Release and Transfer Amounts Reported under PRTR Law (fiscal 2018)

Unit: kg

■ Aluminum & Copper

Moka Plant

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Chromium and chromium (III) compounds	0	0	0	0	0	35,000	Surface treatment of aluminum sheet
Manganese and its compounds	0	0	0	0	0	22,000	Raw material for melting
1,2,4-trimethylbenzene	17,000	0	0	0	0	100	Painting

Chofu Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Hydrogen fluoride and its water-soluble salts	0	19,000	0	0	0	5,400	Pickling
Boron compounds	0	2,200	0	0	0	0	Casting
Copper salts (water-soluble, except complex salts)	0	510	0	0	0	18,000	Surface treatment

Daian Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Poly(oxyethylene) alkyl ether (alkyl C=12-15)	0	0	0	0	0	12,000	Inspection
Triethylamine	3,000	0	0	0	0	0	Foundry sand hardening accelerator
Dichloromethane (also called methylene dichloride)	840	0	0	0	0	470	Cleaning

Shinko Metal Products Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Nickel compounds	0	0	0	0	0	780	Surface treatment
Chromium (VI) compounds	0	0	0	0	0	700	Surface treatment

Shinko Aluminum Wire Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Trichloroethylene	6,400	0	0	0	0	2,900	Cleaning

Shinko Leadmikk Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Dichloromethane (also called methylene dichloride)	2,000	0	0	0	0	91	Degreasing and washing
Nickel compounds	0	0	0	0	310	1,800	Surface treatment

Main Release and Transfer Amounts Reported under PRTR Law (fiscal 2018)

Unit: kg

■ Head Office, Other

Takasago Works

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Dichloromethane (also called methylene dichloride)	41,000	0	0	0	0	220	Degreasing and cleaning titanium scrap
Toluene	46,000	0	0	0	0	180	Painting
Xylene	16,000	0	0	0	0	210	Painting

Kobelco Construction Machinery Co., Ltd. (Hiroshima factory)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Xylene	120,000	0	0	0	0	31,000	Painting
Ethylbenzene	42,000	0	0	0	0	3,600	Painting
Toluene	15,000	0	0	0	0	9,600	Painting

Kobelco Construction Machinery Co., Ltd. (Ogaki factory)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Xylene	23,000	0	0	0	0	4,700	Painting
Ethylbenzene	22,000	0	0	0	0	3,900	Painting
Toluene	17,000	0	0	0	0	2,600	Painting

Kobelco Construction Machinery Co., Ltd. Crane Division (Okubo)

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Xylene	7,500	0	0	0	0	6,000	Painting
Ethylbenzene	4,200	0	0	0	0	2,800	Painting
Toluene	33,000	0	0	0	0	29,000	Painting

Shinko Industrial Co., Ltd.

Substance	Release			Landfill on premises	Transfer		Main processes and purposes of use
	Air	Public water body	Soil		Sewage	Outside the premises	
Ethylbenzene	16,000	0	0	0	0	580	Painting
Xylene	25,000	0	0	0	0	890	Painting
Toluene	15,000	0	0	0	0	540	Painting