

Chemical Substance Controls

The KUBOTA Group has continued concerted efforts to provide appropriate control over chemical substances and reduce their use in compliance with the PRTR regulations.

Reducing PRTR-designated substances

Targets and results in FY2009

Main theme of activity

- Release and transfer per unit of sales
- Total release and transfer

FY2009 targets

- A 2% decrease over the previous year
- A 2% decrease over the previous year

FY2009 results

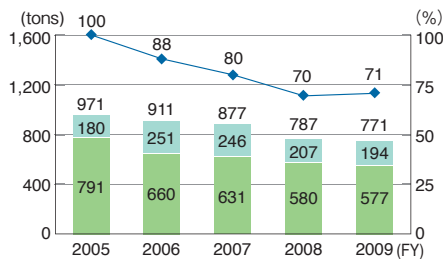
- A 2.2% increase over the previous year
- A 2.0% decrease over the previous year

Measures taken to reduce PRTR-designated substances

We are working to introduce VOC-free paints in place of conventional paints and to improve the painting process in our effort to reduce the amount of PRTR-designated substances released and transferred.

Trends in the amounts of PRTR-designated substances released and transferred

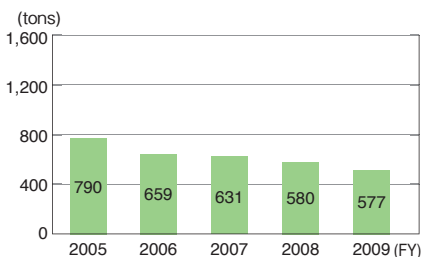
Releases Transfers Release and transfer per unit of sales



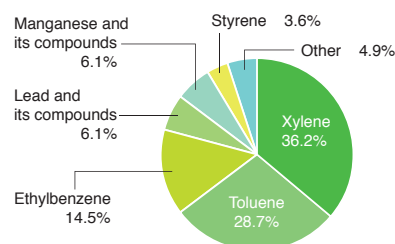
Note 1: Release and transfer per unit of sales = total release and transfer/consolidated net sales

Trends in the amounts of PRTR-designated VOC released

Amount of VOC released



Proportion of release and transfer amounts in FY2009 by substance



Results of PRTR reporting for FY2009 (for substances for which the annual handling quantity equaled one ton or more (0.5 ton for specific class 1 designations) for each business site in Japan)

Number specified in Cabinet Order	Chemical substance	Releases				Transfers		(kg/year)
		Atmosphere	Public water areas	Soil	On-site landfills	Sewerage	Transfers to off-site	
1	Water-soluble zinc compounds	0.0	40	0.0	0.0	18	0.0	
9	Bis (2-ethylhexyl) adipate	0.0	0.0	0.0	0.0	0.0	327	
30	Bisphenol A type epoxy resin (liquid)	0.0	0.0	0.0	0.0	0.0	771	
40	Ethylbenzene	101,890	0.0	0.0	0.0	0.0	10,018	
43	Ethylene glycol	0.0	0.0	0.0	0.0	0.0	168	
60	Cadmium and its compounds	0.0	0.0	0.0	0.0	0.0	9,584	
63	Xylene	249,897	0.0	0.0	0.0	0.0	29,638	
68	Chromium and chromium (III) compounds	0.0	0.0	0.0	0.0	30	15,630	
69	Chromium (VI) compounds	0.0	0.0	0.0	0.0	0.0	378	
100	Cobalt and its compounds	0.0	0.0	0.0	0.0	0.0	0.0	
144	Dichloropentafluoropropane	0.0	0.0	0.0	0.0	0.0	4,650	
176	Organotin compounds	5.9	0.0	0.0	0.0	0.0	5.0	
177	Styrene	27,707	0.0	0.0	0.0	0.0	0.0	
224	1, 3, 5-trimethylbenzene	1,713	0.0	0.0	0.0	0.0	285	
227	Toluene	195,984	0.0	0.0	0.0	0.0	25,189	
230	Lead and its compounds	17	0.0	0.0	0.0	0.0	46,687	
231	Nickel	0.0	0.0	0.0	0.0	0.0	598	
232	Nickel compounds	0.0	0.0	0.0	0.0	0.0	516	
266	Phenol	0.0	0.0	0.0	0.0	0.0	0.0	
270	Di-n-butyl phthalate	0.0	0.0	0.0	0.0	0.0	48	
283	Hydrogen fluoride and its water-soluble salts	0.0	0.0	0.0	0.0	0.0	1,625	
304	Boron and its compounds	0.0	0.0	0.0	0.0	0.0	1,353	
311	Manganese and its compounds	6.4	0.0	0.0	0.0	0.0	46,671	
346	Molybdenum and its compounds	0.0	0.0	0.0	0.0	0.0	0.0	
	Total	577,220	40	0.0	0.0	48	194,141	

■ Volatile Organic Compounds (VOC)

Groundwater monitoring

No contamination was detected as a result of groundwater measurements conducted on the premises of the business sites that used organic chlorine-based compounds in the past.

Business site	Substance	Measured groundwater value	Environmental standard value
Tsukuba Plant	Trichloroethylene	None detected (Less than 0.001 mg/L)	0.03 mg/L or less
Utsunomiya Plant	Trichloroethylene	None detected (Less than 0.001 mg/L)	0.03 mg/L or less