

Chemical and Product Safety

► Emission and Transfer of PRTR Substances (ton/year)*¹(Daicel Corporation FY2014)

Ordinance-designated number	Name of substance	Total emissions	Emissions				Business site landfill disposal	Movement to sewage system	Movement to outside business site
			into atmosphere	into water	into land				
9	Acrylonitrile	0.2	0.2	0.0	0.0	0.0	0.0	0.0	
10	Acrolein	1.6	0.6	1.0	0.0	0.0	0.0	0.0	
12	Acetaldehyde	2.0	0.7	1.4	0.0	0.0	0.0	0.0	
28	Allyl alcohol	1.4	0.0	1.4	0.0	0.0	0.0	0.0	
56	Ethylene oxide	0.9	0.3	0.6	0.0	0.0	0.0	0.0	
58	Ethylene glycol monomethyl ether	0.3	0.0	0.3	0.0	0.0	0.0	0.0	
67	2,3-Epoxy-1-propanol	2.3	0.0	2.3	0.0	0.0	0.0	0.0	
161	CFC-12	1.1	1.1	0.0	0.0	0.0	0.0	0.0	
186	Dichloromethane	0.6	0.6	0.0	0.0	0.0	0.0	4.0	
213	N,N-dimethylacetamide	0.5	0.0	0.5	0.0	0.0	0.0	0.0	
240	Styrene	4.4	4.4	0.0	0.0	0.0	0.0	0.0	
243	Dioxins	3.9	0.7	3.2	0.0	0.0	0.0	1.7	
245	Thiourea	0.5	0.0	0.5	0.0	0.0	0.0	0.0	
277	Triethylamine	0.8	0.6	0.3	0.0	0.0	0.0	0.1	
288	CFC-11	2.6	2.6	0.0	0.0	0.0	0.0	0.0	
300	Toluene	22.5	22.5	0.0	0.0	0.0	0.0	64.0	
308	Nickel	0.2	0.0	0.2	0.0	0.0	0.0	2.8	
342	Pyridine	2.0	0.0	2.0	0.0	0.0	0.0	0.2	
351	1, 3- butadiene	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
375	2-butenal	0.6	0.0	0.6	0.0	0.0	0.0	0.0	
384	1-bromopropane	2.0	2.0	0.0	0.0	0.0	0.0	0.0	
392	n-hexane	4.5	4.0	0.5	0.0	0.0	0.0	18.3	
400	Benzene	7.1	7.1	0.1	0.0	0.0	0.0	0.5	
405	Boron compounds	2.8	0.0	2.8	0.0	0.0	0.0	0.0	
423	Monomethylamine	0.5	0.0	0.5	0.0	0.0	0.0	0.0	
439	3-methylpyridine	0.9	0.0	0.8	0.0	0.0	0.0	0.0	
	Others	0.3	0.1	0.2	0.0	0.0	0.0	3.2	

*1 Exempted handling volume is 1 ton per year per business site.

*2 Dioxin emission and movement units are mg-TEQ/year.

*3 Emissions of substances less than 0.1 tons/year are lumped under Others.