

Controlling Chemical Substances

Approach to PRTR

Straining to properly handle substances subject to Pollutant Release and Transfer Register (PRTR)

Prior to the PRTR legislation, Nitto Denko established its own Nitto Denko regulation for specially controlled chemical substances in 1995. Under this regulation, we have established and operated an original PRTR database to accurately grasp the volume of PRTR substances handled, released, and transferred. We primarily handle such organic solvents as toluene,

dichloromethane, and xylene. To control their emission, we have built collectors and incinerating equipments (deodorizing furnaces) and taken measures to prevent leakage from the production facilities. (Please see page14, 24)

On the other hand, we positively tackle the development of products requiring no solvent, aiming to reduce the use of organic solvents. In fiscal 2003, these efforts produced an 83% reduction from fiscal 1999.

Amount of Major PRTR Substances

(Unit: metric ton)

Chemical Substances	1999	2000	2001	2002	2003
Toluene	4,212	3,236	2,067	1,379	678
Dichloromethane	329	178	72	72	83
Xylene	31	27	26	16	20
Di-n-butyl phthalate	3	3	2	0	0
Ethylene Glycol Mono Methyl Ether	2	2	0	2	2
Ethylene Glycol	0	0	0	0	1
Dichloropentafluoropropane	22	19	14	7	3
Bis (2-ethylhexyl) phthalate	3	5	4	4	0
Poly (oxyethylene) nonylphenyl ether	0	3	9	3	1
Acrylic acid	4	1	1	1	0
Ethylbenzene	0	0	0	8	8

Note: There was an error of calculation on the amount of toluene in 2003. The figure was 2,040 metric tons in "Environmental Report 2003". So we correct its figure on this table.

CFCs and other ozone depleting substances

Observing the Law Concerning the Protection of the Ozone Layer and conducting proper collection and treatment

The company uses freezing machines and air conditioners (including ones for motor vehicles) containing ozone-depleting CFCs as coolant in business operations. When we discard the equipment, we outsource the collection and treatment to reliable specialists to prevent emission of CFCs into the air, under the Law Concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures, where proper collection and destruction of the equipment are obligatory.

Measures against dioxins

Preventing the generation of dioxins with measures including abolishment of incinerators and change of their structures

Simple incinerators were totally abolished before 2002. The existing incinerator in the Toyohashi Plant has a structure to prevent dioxin emissions and is operated with regular measurements based on the applicable laws.

Storage of PCB

Properly controlling PCB wastes under the applicable laws

About polychlorinated biphenyl (PCB) which is a hazardous substance, we are properly storing it according to the Law Concerning Special Measures against PCB waste. We will dispose of PCBs observing the directions from authorities, as soon as the disposal facility is completed.

Amount of PCB storage

High pressure transformer	1
High pressure condensor	47
Fluorescent lamp stabilizer	250
Mercury lamp stabilizer	53
PCB oil (ℓ)	100
PCB contaminant (kg)	1,383