Control of Chemical Substances

Basic Approach

The TOPPAN Group has formulated the following basic policies on chemical substance control.

We refrain from the use of hazardous chemical substances as a basic rule. We may, however, resort to the use of hazardous substances when their use is legally permitted and no alternate technologies are available. Even when these latter conditions apply, we properly control the substances and take steps to reduce their usage or replace them with substitutes.

Every chemical substance used within our business operations is monitored. We seek to eliminate obstacles to environmental conservation in advance by voluntarily improving our methods for substance control as a business operator.

Activities

TOPPAN strives to reduce the use of chemical substances in order to mitigate their impacts on the environment. By determining substances and applications for reduction on a priority basis, we have been reducing their use and replacing them with safer substitutes. A set of Standards for the Management of Chemical Components of Raw Materials has been established to govern the substances and materials we purchase. These standards list chemical substances whose usage is banned or restricted as raw materials in conformance with international and Japanese laws and regulations on chemicals. The list is regularly reviewed to assure chemical management, and every supplier is asked to control the substances listed.

At TOPPAN Inc., particularly hazardous chemicals have been listed as “high-risk chemicals” extracted from the chemical substances designated under the Pollutant Release and Transfer Register (PRTR) law of Japan. The use of products containing listed chemicals is prohibited as a basic rule, and the list is reviewed every year. Group production sites have been properly controlling chemical substances in parallel, according to their management procedures.

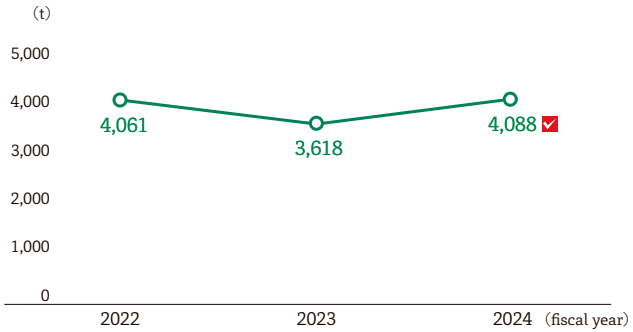
For VOC emissions into the atmosphere, adequate treatment is applied before release to ensure that the emission volumes and concentrations are controlled at proper levels. Increasing efforts are also made to reduce the use of VOCs.

TOPPAN Group Standards for the Management of Chemical Components of Raw Materials (ver. 5.1.1) >

https://www.holdings.toppan.com/assets/en/pdf/about-us/our-corporate-approach/chemical-components-of-raw-materials-v5.1.1en.pdf

Associated Data

VOC Emissions into the Atmosphere (Domestic Group sites)



Chemical Substances Designated under the PRTR Law of Japan (Domestic Group sites)

(Unit: kg/year)

PRTR No.	Chemical Substance	Handled	Released (1 + 2 + 3)	1. Atmosphere	2. Water	3. Soil	Total Transferred
20	2-aminoethanol	83,522	0	0	0	0	33,540
53	Ethylbenzene	12,999	2,245	2,245	0	0	531
80	Xylene	47,338	2,390	2,390	0	0	524
87	Chromium and chromium (III) compounds	18,782	6	0	5	0	2,125
88	Chromium (VI) compounds	9,237	0	0	0	0	842
213	N,N-dimethylacetamide	7,511	279	279	0	0	1,923
245	Thiourea	3,929	5	0	5	0	3,924
272	Copper salts (water-soluble, except complex salts)	273,643	39	0	38	0	69,478
300	Toluene	541,795	46,897	46,897	0	0	51,888
308	Nickel	6,840	0	0	0	0	0
309	Nickel compounds	4,747	3	0	3	0	1,984
411	Formaldehyde	13,700	122	122	0	0	2,376
412	Manganese and its compounds	2,438	93	0	93	0	2,346
420	Methyl methacrylate	1,636	69	69	0	0	137
438	Methylnaphthalene	8,296	41	41	0	0	0
448	Methylenebis (4,1-phenylene) diisocyanate	35,518	0	0	0	0	563
477	4,4'-Oxybisbenzenesulfonylhydrazide	9,079	326	326	0	0	137
568	Acetylacetone	9,343	282	282	0	0	53
594	Ethylene glycol monobutyl ether	7,677	173	173	0	0	4,465
595	Ethylenediaminetetraacetic acid and its potassium and sodium salts	2,975	0	0	0	0	0
627	Diethylene glycol monobutyl ether	66,393	467	467	0	0	34,612
629	Cyclohexane	3,163	1,156	1,156	0	0	2,007
674	Tetrahydrofuran	29,914	930	930	0	0	7,897
677	Tetramethylammonium hydroxide	25,311	0	0	0	0	20,199
691	Trimethylbenzene	100,097	10,309	10,309	0	0	11,658
702	Bis(2-ethylhexyl) (Z)-but-2-enedioate	6,387	0	0	0	0	518
720	2-tert-Butoxyethanol	2,658	1,841	1,841	0	0	816
737	Methyl isobutyl ketone	338,856	12,718	12,718	0	0	31,769
	Total	1,673,784	80,393	80,250	144	0	286,309

Note: Period covered: April 1, 2024—March 31, 2025
Operational sites covered: Sites that handle more than 1.0 ton of Class I designated chemical substances per year (or specified Class I designated chemical substances in excess of 0.5 tons per year)
The total transfer is the sum of the transfers into waste and sewerage systems.

*Every indicator assured by an independent assurance provider is marked with an assurance stamp ☑.