

Control of Chemical Substances

Basic Approach

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

Activity results, performance data

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.

 More details on the TOPPAN Group Standards for the Management of Chemical Components of Raw Materials (ver. 5.1) >

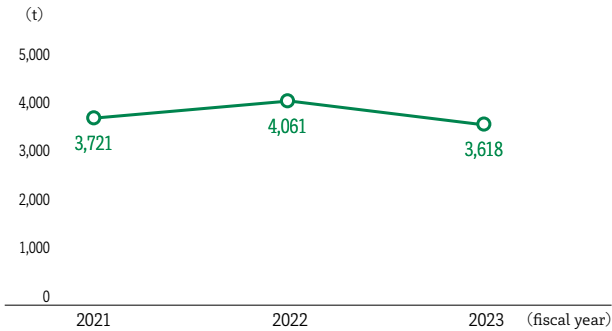
<https://www.holdings.toppan.com/assets/en/pdf/about-us/our-corporate-approach/chemical-components-of-raw-materials-v5.1en.pdf>

Associated Data

Activity results, performance 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	81,852	563	0	563	0	33,540
53	Ethylbenzene	12,023	1,042	1,042	0	0	490
80	Xylene	52,858	1,232	1,232	0	0	496
87	Chromium and chromium (III) compounds	16,947	7	0	7	0	10,530
88	Chromium (VI) compounds	9,337	0	0	0	0	720
213	N,N-dimethylacetamide	3,186	115	115	0	0	892
245	Thiourea	2,589	2	0	2	0	2,586
272	Copper salts (water-soluble, except complex salts)	297,847	28	0	28	0	68,792
300	Toluene	596,208	41,489	41,489	0	0	58,711
308	Nickel	8,893	0	0	0	0	0
309	Nickel compounds	5,322	3	0	3	0	2,900
374	Hydrogen fluoride and its water-soluble salts	2,981	322	9	313	0	1,258
392	n-Hexane	2,148	22	22	0	0	468
411	Formaldehyde	14,000	66	66	0	0	2,179
412	Manganese and its compounds	2,013	118	0	118	0	1,895
420	Methyl methacrylate	1,650	75	75	0	0	140
438	Methylnaphthalene	14,022	70	70	0	0	0
448	Methylenebis (4,1-phenylene) diisocyanate	31,363	0	0	0	0	563
477	4,4'-Oxybisbenzenesulfonylhydrazide	10,224	333	333	0	0	118
568	Acetylacetone	8,791	184	184	0	0	51
594	Ethylene glycol monobutyl ether	4,008	144	144	0	0	1,122
627	Diethylene glycol monobutyl ether	11,145	51	51	0	0	489
629	Cyclohexane	3,691	3,691	3,691	0	0	0
674	Tetrahydrofuran	16,520	737	737	0	0	4,765
677	Tetramethylammonium hydroxide	1,102	0	0	0	0	0
691	Trimethylbenzene	106,069	5,200	5,200	0	0	7,787
702	Bis(2-ethylhexyl) (Z)-but-2-enedioate	6,276	0	0	0	0	579
720	2-tert-Butoxyethanol	8,178	1,101	1,101	0	0	0
737	Methyl isobutyl ketone	326,907	8,814	8,814	0	0	33,533
	Total	1,658,150	65,410	64,376	1,034	0	234,603

Notes

- Period covered: April 1, 2023–March 31, 2024
- 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 transfers into waste and sewage systems.