

# IBIDEN ESG Data (Environment (PRTR\*-Listed Chemical Substances))

## ● Released and Transferred Amounts of PRTR-Listed Chemical Substances in FY2023

■ 11 chemical substances subject to mandatory reporting to Gifu and Aichi Prefecture

■ Specified Class I Designated Chemical Substance: 2    ■ Class I Designated Chemical Substance: 9    ■ Total amounts released or transferred: approx. 685 t/year

\* PRTR : Pollutant Release and Transfer Register

ID No.	Regulated Substance	Unit	Amount discharged				Amount transferred		Total amount discharged and transferred
			Discharged to air	Discharged to public waterway or river	Discharged to soil on facility grounds	Buried in landfill offsite facility grounds	Transferred to sewerage	Transferred off-side as waste material	
20	2-Aminoethanol	kg/year	2,250	0	0	0	0	215,000	217,250
272	Copper salts(water-soluble, except complex salts)	kg/year	0	186	0	0	4	40,000	40,190
309	Nickel compounds	kg/year	0	0	0	0	0	6,310	6,310
395	Water-soluble salts of peroxodisulfuric acid	kg/year	0	0	0	0	0	0	0
405	Boron compounds	kg/year	0	0	0	0	0	3,700	3,700
408	Poly(oxyethylene)octylphenyl ether	kg/year	0	0	0	0	0	1,300	1,300
411	Formaldehyde	kg/year	1,100	0	0	0	0	30,800	31,900
412	Manganese and its compounds	kg/year	0	0	0	0	0	11,800	11,800
627	Diethylene glycol monobutyl ether	kg/year	0	0	0	0	0	277,000	277,000
667	Silicon carbide	kg/year	0	0	0	0	0	0	0
677	Tetramethylammonium hydroxide	kg/year	960	0	0	0	0	95,000	95,960

Scope: IBIDEN and IBIDEN Group companies covered by IBIDEN's environmental-management system (IBIDEN's domestic plants)

Target period : April 2023-March 2024

# IBIDEN ESG Data (Environment (PRTR\*-Listed Chemical Substances))

## ● Released and Transferred Amounts of PRTR-Listed Chemical Substances in FY2022

■ 13 chemical substances subject to mandatory reporting to Gifu and Aichi Prefecture

■ Specified Class I Designated Chemical Substance: 2 ■ Class I Designated Chemical Substance: 11 ■ Total amounts released or transferred: approx. 421 t/year

\* PRTR : Pollutant Release and Transfer Register

ID No.	Regulated Substance	Unit	Amount discharged				Amount transferred		Total amount discharged and transferred
			Discharged to air	Discharged to public waterway or river	Discharged to soil on facility grounds	Buried in landfill offsite facility grounds	Transferred to sewerage	Transferred off-side as waste material	
20	2-Aminoethanol	kg/year	3,236	0	0	0	0	315,544	318,780
71	Ferric chloride	kg/year	0	0	0	0	0	0	0
76	ε-Caprolactam	kg/year	0	0	0	0	0	128	128
272	Copper salts(water-soluble, except complex salts)	kg/year	0	519	0	0	87	47,962	48,568
275	sodium dodecyl sulfate	kg/year	0	0	0	0	0	1,000	1,000
309	Nickel compounds	kg/year	0	0	0	0	0	4,550	4,550
349	Phenol	kg/year	17	0	0	0	0	0	17
368	4-tert-Butylphenol	kg/year	0	0	0	0	0	18	18
395	Water-soluble salts of peroxodisulfuric acid	kg/year	0	0	0	0	0	0	0
405	Boron compounds	kg/year	0	0	0	0	0	4,548	4,548
408	Poly(oxyethylene)octylphenyl ether	kg/year	0	0	0	0	0	1,815	1,815
411	Formaldehyde	kg/year	1,838	0	0	0	0	25,335	27,173
412	Manganese and its compounds	kg/year	0	0	0	0	0	14,080	14,080

Scope: IBIDEN and IBIDEN Group companies covered by IBIDEN's environmental-management system (IBIDEN's domestic plants)

Target period : April 2022-March 2023

## IBIDEN ESG Data (Environment (PRTR\*-Listed Chemical Substances))

### ● Released and Transferred Amounts of PRTR-Listed Chemical Substances in FY2021

■ 15 chemical substances subject to mandatory reporting to Gifu and Aichi Prefecture

■ Specified Class I Designated Chemical Substance: 2 ■ Class I Designated Chemical Substance: 13 ■ Total amounts released or transferred: approx. 578 t/year

\* PRTR : Pollutant Release and Transfer Register

ID No.	Regulated Substance	Unit	Amount discharged				Amount transferred		Total amount discharged and transferred
			Discharged to air	Discharged to public waterway or river	Discharged to soil on facility grounds	Buried in landfill offsite facility grounds	Transferred to sewerage	Transferred off-side as waste material	
20	2-Aminoethanol	kg/year	3,971	0	0	0	0	387,171	391,142
59	Ethylenediamine	kg/year	0	0	0	0	0	0	0
71	Ferric chloride	kg/year	0	0	0	0	0	0	0
76	ε-Caprolactam	kg/year	0	0	0	0	0	114	114
232	N.N-dimethylformamide	kg/year	0	0	0	0	0	5	5
272	Copper salts(water-soluble, except complex salts)	kg/year	0	514	0	0	45	47,760	48,319
275	sodium dodecyl sulfate	kg/year	0	0	0	0	0	1,234	1,234
309	Nickel compounds	kg/year	0	0	0	0	0	4,970	4,970
349	Phenol	kg/year	27	0	0	0	0	0	27
368	4-tert-Butylphenol	kg/year	0	0	0	0	0	21	21
395	Water-soluble salts of peroxodisulfuric acid	kg/year	0	0	0	0	0	0	0
405	Boron compounds	kg/year	0	0	0	0	0	5,766	5,766
408	Poly(oxyethylene)octylphenyl ether	kg/year	0	0	0	0	0	2,748	2,748
411	Formaldehyde	kg/year	1,450	0	0	0	0	106,015	107,465
412	Manganese and its compounds	kg/year	0	0	0	0	0	15,977	15,977

Scope: IBIDEN and IBIDEN Group companies covered by IBIDEN's environmental-management system (IBIDEN's domestic plants)

Target period : April 2021-March 2022