

Pollutant Release and Transfer Register for SF9490U
2020 List of PRTR chemical substances

RISOKAGAKU CORPORATION

Category : Display

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 1	Ammonia	7664-41-7	0.310	0.000	0.000	0.000	0.310	0.000	0.000	0.000
	fluoride	-	0.010	0.000	0.000	0.000	0.010	0.000	0.000	0.000
	hydrochloric acid	-	2.140	0.000	0.000	0.000	2.140	0.000	0.000	0.000
	Chlorine	-	0.580	0.000	0.000	0.000	0.580	0.000	0.000	0.000

Category : Lamp

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 2	Toluene	108-88-3	0.000000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Category : Semiconductor

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 3	ferric chloride	7705-08-0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	N,N-dimethylformamide	68-12-2	22.000	54.000	0.000	0.000	76.000	0.000	3,600.000	3,600.000
	copper salts (water-soluble, except complex salts)	-	0.000	110.000	0.000	0.000	110.000	0.000	2,200.000	2,200.000
	1,2,4-trimethylbenzene	95-63-6	4.000	0.000	0.000	0.000	4.000	0.000	3,300.000	3,300.000
	naphthalene	-	65.000	0.000	0.000	0.000	65.000	0.000	1,400.000	1,400.000
	phenol	108-95-2	470.000	0.000	0.000	0.000	470.000	0.000	4,300.000	4,300.000
	hydrogen fluoride and its water-soluble salts	-	13,000.000	0.000	0.000	0.000	13,000.000	0.000	0.000	0.000
Supplier 4	methylnaphthalene	-	87.000	0.000	0.000	0.000	87.000	0.000	3,500.000	3,500.000
	N,N-dimethylacetamide	127-19-5	0.000	0.000	0.000	0.000	0.000	0.000	18,000.000	18,000.000
Supplier 5	hydrogen fluoride and its water-soluble salts	-	190.000	0.000	0.000	0.000	190.000	0.000	330.000	330.000
Supplier 5	hydrogen fluoride and its water-soluble salts	-	0.000	44.000	0.000	0.000	44.000	4,600.000	0.000	4,600.000

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2019 List of PRTR chemical substances

RISOKAGAKU CORPORATION

Category : Display

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 1	Ammonia	7664-41-7	7,441.632	0.000	0.000	0.000	7,441.632	0.000	0.000	0.000
	fluoride	-	1,262.304	0.000	0.000	0.000	1,262.304	0.000	0.000	0.000
	hydrochloric acid	-	752.544	0.000	0.000	0.000	752.544	0.000	0.000	0.000
	Chlorine	-	14,057.280	0.000	0.000	0.000	14,057.280	0.000	0.000	0.000

Category : Lamp

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 2	Toluene	108-88-3	0.041032	0.000	0.000	0.000	0.041032	0.000	0.000	0.000

Category : Semiconductor

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 3	ferric chloride	7705-08-0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	N,N-dimethylformamide	68-12-2	25.000	62.000	0.000	0.000	87.000	0.000	4,200.000	4,200.000
	copper salts (water-soluble, except complex salts)	-	0.000	130.000	0.000	0.000	130.000	0.000	2,600.000	2,600.000
	1,2,4-trimethylbenzene	95-63-6	4.000	0.000	0.000	0.000	4.000	0.000	3,400.000	3,400.000
	1,3,5-trimethylbenzene	108-67-8	1.000	0.000	0.000	0.000	1.000	0.000	950.000	950.000
	naphthalene	-	72.000	0.000	0.000	0.000	72.000	0.000	1,500.000	1,500.000
	phenol	108-95-2	520.000	0.000	0.000	0.000	520.000	0.000	4,700.000	4,700.000
	hydrogen fluoride and its water-soluble salts	-	460.000	14,000.000	0.000	0.000	14,460.000	0.000	0.000	0.000
Supplier 4	methylnaphthalene	-	95.000	0.000	0.000	0.000	95.000	0.000	3,800.000	3,800.000
	N,N-dimethylacetamide	127-19-5	0.000	0.000	0.000	0.000	0.000	0.000	13,000.000	13,000.000
Supplier 4	hydrogen fluoride and its water-soluble salts	-	0.000	0.000	0.000	0.000	0.000	0.000	430.000	430.000
Supplier 5	hydrogen fluoride and its water-soluble salts	-	0.000	0.000	0.000	0.000	0.000	4,100.000	0.000	4,100.000

Pollutant Release and Transfer Register for SF9490U
2018 List of PRTR chemical substances

RISOKAGAKU CORPORATION

Category : Display

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 1	Ammonia	7664-41-7	384.564	0.000	0.000	0.000	384.564	0.000	0.000	0.000
	fluoride	-	127.896	0.000	0.000	0.000	127.896	0.000	0.000	0.000
	hydrochloric acid	-	1,391.964	0.000	0.000	0.000	1,391.964	0.000	0.000	0.000
	Chlorine	-	140.160	0.000	0.000	0.000	140.160	0.000	0.000	0.000

Category : Lamp

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 2	Toluene	108-88-3	0.000044	0.000	0.000	0.000	0.000044	0.000	0.000	0.000

Category : Semiconductor

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 3	ferric chloride	7705-08-0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	N,N-dimethylformamide	68-12-2	27.000	68.000	0.000	0.000	95.000	0.000	4,600.000	4,600.000
	copper salts (water-soluble, except complex salts)	-	0.000	130.000	0.000	0.000	130.000	0.000	2,700.000	2,700.000
	1,2,4-trimethylbenzene	95-63-6	6.100	0.000	0.000	0.000	6.100	0.000	5,000.000	5,000.000
	1,3,5-trimethylbenzene	108-67-8	2.000	0.000	0.000	0.000	2.000	0.000	1,300.000	1,300.000
	naphthalene	-	71.000	0.000	0.000	0.000	71.000	0.000	1,400.000	1,400.000
	phenol	108-95-2	510.000	0.000	0.000	0.000	510.000	0.000	4,600.000	4,600.000
	hydrogen fluoride and its water-soluble salts	-	500.000	15,000.000	0.000	0.000	15,500.000	0.000	0.000	0.000
Supplier 4	methylnaphthalene	-	95.000	0.000	0.000	0.000	95.000	0.000	3,700.000	3,700.000
	2-aminoethanol	141-43-5	0.000	0.000	0.000	0.000	0.000	0.000	32,000.000	32,000.000
	N,N-dimethylacetamide	127-19-5	0.000	0.000	0.000	0.000	0.000	0.000	15,000.000	15,000.000
	pyrocatechol	120-80-9	0.000	0.000	0.000	0.000	0.000	0.000	2,600.000	2,600.000
	hydrogen fluoride and its water-soluble salts	-	35.000	0.000	0.000	0.000	35.000	0.000	5,800.000	5,800.000
Supplier 5	water-soluble salts of peroxodisulfuric acid	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Supplier 5	hydrogen fluoride and its water-soluble salts	-	0.000	0.000	0.000	0.000	0.000	4,400.000	0.000	4,400.000

Pollutant Release and Transfer Register for SF9490U
2017 List of PRTR chemical substances

RISOKAGAKU CORPORATION

Category : Display

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 1	Ammonia	7664-41-7	501.120	0.000	0.000	0.000	501.120	0.000	0.000	0.000
	fluoride	-	78.624	0.000	0.000	0.000	78.624	0.000	0.000	0.000
	hydrochloric acid	-	2,410.560	0.000	0.000	0.000	2,410.560	0.000	0.000	0.000
	Chlorine	-	933.120	0.000	0.000	0.000	933.120	0.000	0.000	0.000

Category : Lamp

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 2	Toluene	108-88-3	0.000051	0.000	0.000	0.000	0.000051	0.000	0.000	0.000

Category : Semiconductor

manufacture	Name of Chemical	CAS Number	1.Releases to					2.Transfers to		
			air (kg/year)	to water (kg/year)	land (kg/year)	On site Landfill (kg/year)	Total (kg/year)	sewage (kg/year)	waste (kg/year)	Total (kg/year)
Supplier 3	ferric chloride	7705-08-0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	N,N-dimethylformamide	68-12-2	41.000	100.000	0.000	0.000	141.000	0.000	7,000.000	7,000.000
	copper salts (water-soluble, except complex salts)	-	0.000	140.000	0.000	0.000	140.000	0.000	2,900.000	2,900.000
	1,2,4-trimethylbenzene	95-63-6	6.500	0.000	0.000	0.000	6.500	0.000	5,200.000	5,200.000
	1,3,5-trimethylbenzene	108-67-8	2.000	0.000	0.000	0.000	2.000	0.000	1,500.000	1,500.000
	naphthalene	-	1,000.000	0.000	0.000	0.000	1,000.000	0.000	2,100.000	2,100.000
	phenol	108-95-2	720.000	0.000	0.000	0.000	720.000	0.000	6,500.000	6,500.000
	hydrogen fluoride and its water-soluble salts	-	670.000	21,000.000	0.000	0.000	21,670.000	0.000	0.000	0.000
Supplier 4	methylnaphthalene	-	130.000	0.000	0.000	0.000	130.000	0.000	5,300.000	5,300.000
	2-aminoethanol	141-43-5	0.000	0.000	0.000	0.000	0.000	0.000	34,000.000	34,000.000
	N,N-dimethylacetamide	127-19-5	0.000	0.000	0.000	0.000	0.000	0.000	15,000.000	15,000.000
	pyrocatechol	120-80-9	0.000	0.000	0.000	0.000	0.000	0.000	2,900.000	2,900.000
	hydrogen fluoride and its water-soluble salts	-	340.000	0.000	0.000	0.000	340.000	0.000	9,500.000	9,500.000
Supplier 5	water-soluble salts of peroxodisulfuric acid	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Supplier 5	hydrogen fluoride and its water-soluble salts	-	0.000	0.000	0.000	0.000	0.000	3,500.000	0.000	3,500.000