



EPEAT NSF/ANSI 426-2017 Public Disclosure of Supply Chain Toxics 2023

This disclosure summarizes the weight of chemicals released annually in the manufacturing process for key Central Processing Units, Storage and Printed Circuit Board suppliers in our server supply chain. The disclosure scope aligns to the United Nations (UN) Pollutant Release and Transfer Register (PRTR) and Institute of Public & Environmental Affairs (IPE) calculation methodologies, protocols, and disclosure guidelines. For more details, refer to <https://www.unece.org/env/pp/prtr/docs/prtrtext.html> and [About IPE](#). The tables below contain aggregated data collected through a PRTR survey and results are aggregated across surveyed suppliers.

Table 1: CPU¹ (kg/yr)

CAS no.	Chemical Name	Amount Released
7664-41-7	Ammonia	0.00
-	Anionic Surfactants	0.00
71-43-2	Benzene	0.00
111-78-4	Cod (Chemical Oxygen Demand)	0.00
7440-50-8	Copper and compounds	565532.51
-	Cyanide	0.00
-	Fluoride	40556.84
50-00-0	Formaldehyde	0.00
-	Hydro-fluorocarbons (HFCs)	381.00
7647-01-0	Hydrogen Chloride	0.00
7664-93-9	Hydrogen Sulfides	0.00
7440-02-0	Nickel and compounds	0.00
-	Nitrogen Oxides	0.00
-	Particulates	0.00
-	Petro	0.00
9/5/7446	Sulfur dioxide	0.00
-	Sulfur Oxides	0.00

7664-93-9	Sulfuric acid (fog)	0.00
-	Suspended Matter	0.00
108-88-3	Toluene	0.00
7440-50-8	Total Copper	0.00
7440-02-0	Total Nickel	0.00
-	Total Nitrogen	113801.44
	Total non-methane hydrocarbons	0.00
-	Total Phosphorus	0.00
-	TVOC	0.00
1330-20-7	Xylene	0.00

Table 2: Storage² (kg/yr)

CAS no.	Chemical Name	Amount Released
7664-41-7	Ammonia Nitrogen	0.00
-	Anionic Surfactants	0.00
71-43-2	Benzene	0.00
111-78-4	Cod (Chemical Oxygen Demand)	0.00
7440-50-8	Copper and compounds	0.00
-	Cyanide	0.00
-	Fluoride	42442.90
50-00-0	Formaldehyde	0.00
-	Hydro-fluorocarbons (HFCs)	0.00
7647-01-0	Hydrogen Chloride	0.00
7664-93-9	Hydrogen Sulfides	0.00
7440-02-0	Nickel and compounds	0.00
-	Nitrogen Oxides	0.00
-	Particulates	0.00
-	Petro	0.00

¹ Table 1 (CPU = Central Processing Unit) represents facilities that released pollutants above the threshold amounts according to the UN Protocol on PRTR. This table includes data from one of Dell's top CPU suppliers.

9/5/7446	Sulfur dioxide	0.00
-	Sulfur Oxides	0.00
7664-93-9	Sulfuric acid (fog)	0.00
-	Suspended Matter	0.00
108-88-3	Toluene	0.00
7440-50-8	Total Copper	0.00
7440-02-0	Total Nickel	0.00
-	Total Nitrogen	0.00
	Total non-methane hydrocarbons	0.00
-	Total Phosphorus	0.00
-	TVOC	0.00
1330-20-7	Xylene	0.00

Table 3: PCB³ (kg/yr)

CAS no.	Chemical Name	Amount Released
7664-41-7	Ammonia Nitrogen	29794.29
-	Anionic Surfactants	177.00
71-43-2	Benzene	0.00
111-78-4	Cod (Chemical Oxygen Demand)	356739.18
7440-50-8	Copper and compounds	0.00
-	Cyanide	11.44
-	Fluoride	245.00
50-00-0	Formaldehyde	1050.22
-	Hydro-fluorocarbons (HFCs)	0.00
7647-01-0	Hydrogen Chloride	34845.37
7664-93-9	Hydrogen Sulfides	0.00
7440-02-0	Nickel and compounds	0.00
-	Nitrogen Oxides	41204.11

² Table 2 (Storage) represents facilities that released pollutants above the threshold amounts according to the UN Protocol on PRTR. This table includes data from three of Dell's top Storage suppliers. Two of the three suppliers in scope for this component group report no toxic emissions subject to the requirement.

-	Particulates	5982.60
-	Petro	403.37
9/5/7446	Sulfur dioxide	226.74
-	Sulfur Oxides	0.00
7664-93-9	Sulfuric acid (fog)	15351.65
-	Suspended Matter	121954.16
108-88-3	Toluene	0.00
7440-50-8	Total Copper	1182.55
7440-02-0	Total Nickel	6.58
-	Total Nitrogen	89498.18
	Total non-methane hydrocarbons	23398.29
-	Total Phosphorus	2359.18
-	TVOC	0.00
1330-20-7	Xylene	0.00

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³ Table 3 (PCB = Printed Circuit Board) represents facilities that reported to IPE. Because IPE does not have thresholds, pollutants which were reported to IPE are shown in full. This table includes data from three of Dell's top PCB suppliers.