Fairchild Semiconductor Product Package Material Disclosure

Package Type	SOT-23-3					
Weight of Package (grams)	**Maximum** **Minimum**	**8.96E-03** **8.44E-03**				
Component	Material	Weight in grams	Substance in material	Wt% in finished product min	Wt% in finished product max	CAS #
Lead Frame	Metal alloy	2.37E-03		26.42	28.06	
			Iron	14.80	15.71	7439-89-6
			Nickel	11.10	11.78	7440-02-0
			Manganese	0.21	0.22	7439-96-5
			Cobalt	0.13	0.14	7440-48-4
			Silicon	0.08	0.08	7440-21-3
			Silver (DP)	0.11	0.11	7440-22-4
Encapsulation	Epoxy	6.06E-03		67.57	71.74	
			Silica	41.79	55.72	
			Carbon Black	0.00	1.04	
			Resin	10.45	24.03	
			Antimony Compound	0.35	2.09	1309-64-4 1314-60-9
			Brominated Compound	1.04	2.79	68928-70-1 40039-93-8 68541-56-0 79-94-7
Plating	Solder	2.06E-04		0.79	3.94	
			Tin	0.67	3.35	7440-31-5
			Lead	0.12	0.59	7439-92-1
	or Lead-free Solder	2.06E-04		0.79	3.94	
			Tin	0.79	3.94	7440-31-5
Chip	Silicon and inorganic compounds	4.84E-05		0.53	0.58	
			Silicon and trace metals	0.53	0.58	7440-21-3
Die Attach	Eutectic					
Wire Bond	Gold Wire	1.99E-05		0.22	0.24	
			Gold	0.22	0.24	7440-57-5

Materials Disclosure Disclaimer

The information provided in this Materials Disclosure is, to our knowledge, correct. However, there is no guarantee to completeness or accuracy as some information is derived from data sources outside the company. Also, there may not be information included in this document regarding the minute amounts of dopant and metal materials contained within the electrically active or passive devices within the finished product.