

**Product / Package Information**

Package	MSOP_EP - GaAs
Body Size	
Lead Count	8
Terminal Finish	SnPb
MS Number	MS012606D

**Environmental Information**

RoHS Compliant	No
High Temperature Compliant	No
Halogen Free Compliant	Yes
REACH SVHC Compliant	Yes

**Materials Declaration**

**Molding Compound**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Silica	60676-86-0 / 7631-86-9 / 14808-60-7	8.57 E-03	88.20	882000	42.07	420665
Thermosets	Epoxy Resin	Proprietary	4.86 E-04	5.00	50000	2.38	23847
Thermosets	Phenol Resin	Proprietary	4.86 E-04	5.00	50000	2.38	23847
Thermosets	Epoxy Cresol Novolac	29690-82-2	1.46 E-04	1.50	15000	0.72	7154
Other inorganic materials	Carbon Black	1333-86-4	2.92 E-05	0.30	3000	0.14	1431
Subtotal			9.72 E-03	100.00	1000000	47.69	476944

**Leadframe**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Copper & its alloys	Copper	7440-50-8	8.09 E-03	96.20	962000	39.70	397015
Copper & its alloys	Nickel	7440-02-0	2.52 E-04	3.00	30000	1.24	12381
Copper & its alloys	Silicon	7440-21-3	5.47 E-05	0.65	6500	0.27	2683
Copper & its alloys	Magnesium	7439-95-4	1.26 E-05	0.15	1500	0.06	619
Subtotal			8.41 E-03	100.00	1000000	41.27	412697

**Internal Leadframe Plating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Silver	7440-22-4	1.12 E-04	100.00	1000000	0.01	55

**External Leadframe Plating**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Tin & its alloys	Tin	7440-31-5	6.01 E-04	85.00	850000	2.95	29474
Tin & its alloys	Lead	7439-92-1	1.06 E-04	15.00	150000	0.52	5201
Subtotal			7.07 E-04	100.00	1000000	3.47	34676

**Bond Wires**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Gold	7440-57-5	1.77 E-04	99.99	1000000	0.87	8687

**Chip**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Other inorganic materials	Gallium Arsenide	1303-00-0	6.89 E-04	100.0	1000000	3.38	33817

**Die Attach**

Description	Substance	CAS#	Weight (g)	Homogeneous Material Level		Component Level	
				Percentage (%)	PPM	Percentage (%)	PPM
Precious metals	Silver	7440-22-4	6.29 E-04	93.00	930000	3.09	30856
Other organic materials	Gamma Butyrolactone	96-48-0	4.73 E-05	7.00	70000	0.23	2323
Subtotal			6.76 E-04	100.00	1000000	3.32	33179

Package Totals	Weight (g)	Percentage (%)	PPM
	2.04 E-02	100.00	1000000

Note: The information provided in this declaration are true to the best of ADI's knowledge. ADI derived most of the information listed in this declaration from documents provided by third parties, and assumes no liability to any inaccuracy of such information.



ADI Proprietary