# 100% Material Declaration Data Sheet SOG8



## Average Weight: 0.0811 g

| Component | Substance Description | CAS# or Description | % of Component | Use in Product | Component Weight/ Substance Weight (in grams) | Component % of Total |
|---|---|---|---|---|---|---|
| **Silicon Die** | | | | | **0.003961** | **4.88%** |
| | Silicon | 7440-21-3 | 100.00 | | 0.003961 | |
| **Die Attach Material** | | | | | **0.00124** | **1.53%** |
| | Epoxy resin(EP) | 19690-82-2 | 21.00 | | 0.0002604 | |
| | Silver | 7440-22-4 | 70.00 | | 0.000868 | |
| | Misc. | | 9.0 | (Metal oxide, amine, gamma butyrolactone) | 0.0001116 | |
| **Mold Compound** | | | | | **0.041769** | **51.45%** |
| | Resin | Trade secret | 7.50 | | 0.003133 | |
| | SiO2 Filler | 60676-86-0 | 86.00 | | 0.035922 | |
| | Carbon Black | 1333-86-4 | 0.50 | | 0.000209 | |
| | Epoxy Cresol Novolac | Trade secret | 2.00 | | 0.000835 | |
| | Phenol Resin | Trade secret | 4.00 | | 0.001671 | |
| **Leadframe** | | | | | **0.031983** | **39.36%** |
| | Copper | 7440-50-8 | 97.50 | | 0.031184 | |
| | Iron | 7439-89-6 | 2.35 | | 0.000752 | |
| | Phosphorus | 7723-14-0 | 0.03 | | 0.000009 | |
| | Zinc | 7440-66-6 | 0.12 | | 0.000038 | |
| **Leadframe Plating** | | | | | **0.000559** | **0.69%** |
| | Silver | 7440-22-4 | 100.00 | | 0.000559 | |
| **Bond Wire** | | | | | **0.000223** | **0.27%** |
| | Gold | 7440-57-5 | 100.00 | | 0.000223 | |
| **Ext. Plating** | | | | | **0.001364** | **1.82%** |
| | Tin | 7440-31-5 | 100.00 | | 0.001364 | |



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## Revision History

The following table shows the revision history for this document.

| Date | Revision | Revision |
|---|---|---|
| 8/15/07 | 1.0 | Initial release. |