**Supplier Name:** CARSEM (M) SDN BHD
**Company Address:** Jalan Lapngan Terbang, PO Box 204, 30720 Ipoh, Perak.
**Responder Contact Name:** WAN FARIDAH
**Responder Contact Phone:** 605-3123333
**Responder Contact email:** wanfaridah@m.carsems.com.my
**Responder Title:** ESH Section Manager
**Date of Response:** 28th Oct 2008

**Responder Signature:**

***Instructions***

***Suppliers must provide the identity and % weight of flame retardant substances listed below present in materials used in products supplied to Maxim.***

***Data is to supplied for each material type/formulation used in our products. Where multiple suppliers are used, worse case data (highest value) should be shown. Examples: Material Type = Mold Compound, Name/Formula = Sumitomo EME-G600. Material Type = Leadframe, Name/Formula = Cu alloy C194.***

***Where there is no content of the substance, enter 0%.***
***Insert additional rows as needed to reflect content of substances per material used.***

| | | % Weight of Substance/CAS number | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Antimony Trioxide/CAS# 1309-64-4 | Red Phosphorous/CAS # 7723-14-0 | Phosphorous/CAS # 7723-14-0 | TPP (Triphenyl Phosphate)/CAS# 115-86-6 | Poly Vinyl Chloride (PVC)/CAS# 9002-86-2 | Polychlorinated dibenzofurans/CAS# 42934-53-2 | Polybrominated Dibenzofurans/CAS# 86-76-0 | Vinyl Chloride/CAS# 75-01-4 | Poly Aromatic Hydrocarbons (PAH)/CAS# 26140-60-3 | Pentachlorophenol (PCP)/CAS# 87-86-5 | Hexachlorocyclohexane (HCH)/CAS# 608-73-1, 6108-11-8 | Monomethyltetrachloro Diphenyl Methane (CAS# 76253-60-6) | Monomethyldichloro Diphenyl Methane (CAS# 81161-70-8) | Monomethyldibromo Diphenyl Methane (CAS# 99788-47-8) | EPS (Expanded Polystyrene)/CAS# 9003-70-7 |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 2600BT | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 8006NS | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 8200C | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 8290 | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 84-1LMISNB | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 84-1LMISR4 | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Ablestik 84-3J | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Henkel QMI519 | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Henkel QMI-526 | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Henkel QMI-529LB | | | | | | | | | | | | | | | |
| **Material Type** | Die Attach Epoxy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Henkel QMI-536 | | | | | | | | | | | | | | | |
| **Material Type** | Lead Finish | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Redring - Sn85/Pb15 | | | | | | | | | | | | | | | |
| **Material Type** | Lead Finish | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Redring - Sn100 | | | | | | | | | | | | | | | |
| **Material Type** | Leadframe | 0 | 0 | 0.00025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | DCI - Alloy 42 Spot Ag | | | | | | | | | | | | | | | |
| **Material Type** | Leadframe | 0 | 0 | 0.00025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | DCI - Alloy 42 NiPdAu | | | | | | | | | | | | | | | |
| **Material Type** | Leadframe | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | DCI - Cu C7025 Spot Ag plate | | | | | | | | | | | | | | | |
| **Material Type** | Leadframe | 0 | 0 | 0.0015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | DCI - Cu C194 Spot Ag plate | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Hitachi CEL9220HF13 | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Nitto GE-100-LFC | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Nitto HC100XG-BF1 | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 2.1% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Nitto MP180S-CSM | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 1.4% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Nitto MP8000C | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 1.8% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Nitto MP8000CSM | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | max 2.5% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-6600HR | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | max 2.5% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-6650RL-1L | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | max 2.5% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-7320AR | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | max 0.7% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-7351LS | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | max 0.9% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-7730LF | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-G600 | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-G600C | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-G700J | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-G700JA | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-G700L | | | | | | | | | | | | | | | |
| **Material Type** | Mold Compound | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Sumitomo EME-G770HC | | | | | | | | | | | | | | | |
| **Material Type** | Overcoat | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Dow Corning Q3-6646 | | | | | | | | | | | | | | | |
| **Material Type** | Solder Ball | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Profound 63SN/37PB | | | | | | | | | | | | | | | |
| **Material Type** | Solder Paste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Henkel 95Sn5Sb CR32 AGS88 | | | | | | | | | | | | | | | |
| **Material Type** | Solder Paste | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Indium INDALLOY 133 | | | | | | | | | | | | | | | |
| **Material Type** | Substrate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Daisho Denshi 832EX | | | | | | | | | | | | | | | |
| **Material Type** | Substrate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Daisho Denshi 832HS | | | | | | | | | | | | | | | |
| **Material Type** | Substrate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | JCI - Core 832NX | | | | | | | | | | | | | | | |
| **Material Type** | Substrate | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Kinsus 2LBT-ELY-0.56-C0223A | | | | | | | | | | | | | | | |
| **Material Type** | Underfill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Chipcoat U8439-1-MAX | | | | | | | | | | | | | | | |
| **Material Type** | Underfill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Hysol FP4549 | | | | | | | | | | | | | | | |
| **Material Type** | Underfill | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Namics Chipcoat U8439-1-MAX | | | | | | | | | | | | | | | |
| **Material Type** | Wire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Tanaka 1.0 Au | | | | | | | | | | | | | | | |
| **Material Type** | Wire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Tanaka 1.3 Au | | | | | | | | | | | | | | | |
| **Material Type** | Wire | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Material Name/Formula** | Tanaka 2.0 Au | | | | | | | | | | | | | | | |