

**M44LF summary material content, BI Technologies Corporation**

10/15/2004

No content here is banned per E.U. RoHS. Prepared by Eric Arnold (714) 447-2565.

Average mass of M44 trimmer is 0.1715 grams each. Very small values below are represented in scientific notation.

| <b>Material name</b>                                 | <b>also known as</b>                       | <b>CAS #</b> | <b>Weight per unit<br/>(grams)</b> | <b>Special classification</b>                        |
|--|--|--------------|------------------------------------|--|
| Ag   | silver                                     | 7440-22-4    | 7.65E-04                           |  |
| Al2O3  | aluminum oxide, alumina                    | 1344-28-1    | 0.0339                             |  |
| B2O3   | boron oxide                                | 1303-86-2    | 4.25E-05                           |  |
| BaO  | barium oxide, baryta                       | 1304-28-5    | 2.12E-05                           |  |
| Bi2Ru2O6   | bismuth ruthenium oxide                    | ?            | 4.95E-05                           |  |
| C  | carbon                                     | 7440-44-0    | 3.00E-07                           |  |
| CaO  | calcium oxide, quicklime                   | 1305-78-8    | 0.0002                             |  |
| C.I. Yellow  | C.I. Solvent Yellow 43                     | 19125-99-6   | 4.00E-06                           |  |
| Cu   | copper                                     | 7440-50-8    | 0.0136                             |  |
| cycloaliphatic epoxy resin                           | non-glycidyl epoxy resin                   | 2386-87-0    | 0.0014                             |  |
| epichlorohydrin / polyglycol epoxy resin             | epichlorohydrin is aka ECH                 | 26142-30-3   | 0.0014                             |  |
| epichlorohydrin/bisphenol A epoxy resin              | glycidyl-ether epoxy resin                 | ?            | 0.0165                             |  |
| Fe   | iron                                       | 7439-89-6    | 7.50E-05                           |  |
| FeO2   | iron (III) oxide, ferric oxide             | 1345-25-1    | 1.77E-04                           |  |
| fiberglass   | glass fiber or bead                        | 65997-17-3   | 0.0201                             |  |
| hydantoin epoxy resin                                | hydantoin is aka glycolyl urea             | 15336-82-0   | 0.0014                             |  |
| methylvinylpolysiloxane                              | dimethylvinylpolysiloxane                  | 68083-18-1   | 4.00E-04                           |  |
| MgO  | magnesium oxide                            | 1309-48-4    | 1.77E-04                           |  |
| Mn   | manganese                                  | 7439-96-5    | 1.25E-06                           |  |
| MnO2   | manganese dioxide or oxide                 | 1313-13-9    | 3.60E-04                           |  |
| modified aliphatic polyamine                         | typical epoxy hardener                     | trade secret | 0.0055                             |  |
| Ni   | nickel                                     | 7440-02-0    | 4.65E-04                           |  |
| Pb in brass  | lead in brass                              | 7439-92-1    | 4.96E-04                           | lead in brass  |
| Pb2Ru2O6+x   | lead ruthenium oxide                       | ?            | 3.52E-04                           | lead in electronic ceramic                           |
| PbO  | lead oxide                                 | 1317-36-8    | 3.46E-04                           | lead in electronic ceramic                           |
| Pd   | palladium                                  | 7440-05-3    | 2.66E-04                           |  |
| PEEK   | polyetheretherketone                       | 29658-26-2   | 0.0468                             |  |
| PTFE   | polytetrafluoroethylene (Teflon)           | 009002-84-0  | 0.0178                             |  |
| RuO2   | ruthenium dioxide or oxide                 | 12036-10-1   | 2.31E-05                           |  |
| S  | sulfur                                     | 7704-34-9    | 2.50E-08                           |  |
| Si   | silicon                                    | 7440-21-3    | 2.50E-07                           |  |
| SiO2, amorphous                                      | silicon dioxide, silica                    | 7631-86-9    | 0.0019                             |  |
| Sn   | tin  | 7440-31-5    | 4.57E-04                           |  |
| Steatite   | magnesium silicate hydroxide or soap-stone | 14807-96-6   | 2.20E-06                           |  |
| TiO2   | titanium dioxide, titania                  | 13463-67-7   | 1.95E-04                           |  |
| trade secret   | non-hazardous trade secret                 | n/a          | 5.76E-04                           | undisclosed trade secret, not hazardous or regulated |
| trifluoropropylmethyl siloxane, trimethyl-terminated |  | 63148-56-1   | 1.20E-04                           |  |
| Zn   | zinc                                       | 7440-66-6    | 0.0057                             |  |
| ZnO  | zinc oxide, zinc white                     | 1314-13-2    | 3.95E-05                           |  |
| ZrO2   | zirconium oxide                            | 1314-23-4    | 1.02E-05                           |  |

**Sum of components = 0.1715**