

**M44 summary material content, BI Technologies Corporation**

10/15/2004

Highlighted line items are banned in 2006 per E.U. R.o.H.S.. 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.

Material name	also known as	CAS #	Weight per unit (grams)	Special classification
Ag	silver	7440-22-4	7.65E-04	
Al <sub>2</sub> O <sub>3</sub>	aluminum oxide, alumina	1344-28-1	0.0339	
B <sub>2</sub> O <sub>3</sub>	boron oxide	1303-86-2	4.25E-05	
BaO	barium oxide, baryta	1304-28-5	2.12E-05	
Bi <sub>2</sub> Ru <sub>2</sub> O <sub>6</sub>	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	
FeO <sub>2</sub>	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	
MnO <sub>2</sub>	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	
<b>Pb</b>	<b>lead</b>	<b>7439-92-1</b>	<b>2.34E-05</b>	lead in plating finish subject to ban under E.U. RoHS
Pb in brass	lead in brass	7439-92-1	4.96E-04	lead in brass
Pb <sub>2</sub> Ru <sub>2</sub> O <sub>6</sub> +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	
RuO <sub>2</sub>	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	
SiO <sub>2</sub> , amorphous	silicon dioxide, silica	7631-86-9	0.0019	
Sn	tin	7440-31-5	4.45E-04	
Steatite	magnesium silicate hydroxide or soap-stone	14807-96-6	2.20E-06	
TiO <sub>2</sub>	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	
ZrO <sub>2</sub>	zirconium oxide	1314-23-4	1.02E-05	

**Sum of components = 0.1715**