

### M93 summary material content, BI technologies Corporation

2/2/2004

Highlighted line items are banned in 2006 per E.U. R.o.H.S.. Prepared by Eric Arnold (714) 447-2565

Average mass of M93 trimmer is 1.4180 grams each. Scientific notation is used for all component masses.

Material name	also known as	CAS #	Weight per unit (grams)	Special classification
Ag	silver	7440-22-4	4.62E-04	
Al2O3	aluminum oxide, alumina	1344-28-1	4.30E-01	
B2O3	boron oxide	1303-86-2	2.00E-05	
BaO	barium oxide, baryta	1304-28-5	1.18E-05	
Bi2Ru2O6	bismuth ruthenium oxide	?	2.25E-05	
C	carbon	7440-44-0	6.00E-07	
carbon black	lamp black, acetylene black	1333-86-4	4.02E-03	
CaO	calcium oxide, quicklime	1305-78-8	2.24E-03	
Cu	copper	7440-50-8	1.35E-01	
cycloaliphatic epoxy resin	non-glycidyl epoxy resin	2386-87-0	1.29E-02	
epichlorohydrin / polyglycol epoxy resin	epichlorohydrin is aka ECH	26142-30-3	1.29E-02	
epichlorohydrin/bisphenol A epoxy resin	glycidyl-ether epoxy resin	?	1.55E-01	
Fe	iron	7439-89-6	1.50E-04	
FeO2	iron (III) oxide, ferric oxide	1345-25-1	2.24E-03	
fiberglass	glass fibers	65997-17-3	1.31E-01	
hydantoin epoxy resin	hydantoin is aka glycolyl urea	15336-82-0	1.29E-02	
MgO	magnesium oxide	1309-48-4	2.24E-03	
Mn	manganese	7439-96-5	2.50E-06	
MnO2	manganese dioxide or oxide	1313-13-9	4.48E-03	
modified aliphatic polyamine	typical epoxy hardener	trade secret	5.18E-02	
Ni	nickel	7440-02-0	1.09E-03	
<b>Pb</b>	<b>lead</b>	<b>7439-92-1</b>	<b>2.23E-04</b>	<b>lead in plating finish subject to ban under E.U. RoHS</b>
Pb2Ru2O6+x	lead ruthenate	?	1.60E-04	lead in electronic ceramic
PbO	lead oxide	1317-36-8	1.68E-04	lead in electronic ceramic
PBT	polybutylene terephthalate	26062-94-2	4.14E-01	
Pd	palladium	7440-05-3	7.24E-05	
RuO2	ruthenium dioxide or oxide	12036-10-1	1.05E-05	
S	sulfur	7704-34-9	5.00E-08	
Sb	antimony	7440-36-0	4.02E-03	
SbO	antimony oxide	1309-64-4	1.71E-02	
Si	silicon	7440-21-3	5.00E-07	
SiO2, amorphous	silicon dioxide, silica	7631-86-9	1.75E-02	
Sn	tin	7440-31-5	4.24E-03	
steatite	magnesium silicate hydroxide	14807-96-6	1.00E-06	
TiO2	titanium dioxide, titania	13463-67-7	2.25E-03	
Zn	zinc	7440-66-6	3.70E-04	
ZnO	zinc oxide, zinc white	1314-13-2	2.00E-05	
ZrO2	zirconium oxide	1314-23-4	4.81E-06	
		Sum of materials:	1.418000	