

6138 summary material content, BI technologies Corporation

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No content is banned per E.U. R.o.H.S.. Prepared by Eric Arnold (714) 447-2565

Average mass of 6138 potentiometer is 18.0 grams each. Scientific notation is used below (x.xxE-x) for weights below 1 milligram

Material name	also known as	CAS #	Weight per unit (grams)	Special classification
Ag	silver	7440-22-4	0.003	
Al	aluminum, aluminium	7429-90-5	0.291	
Al2O3	aluminum oxide, alumina	1344-28-1	2.295	
BiO3	bismuth trioxide	1304-76-3	1.19E-04	
black oxide coating of zinc alloy	black oxide	?	trace	proprietary but RoHS compliant
bronze, CDA 932	bronze, SAE 660	?	1.015	6 to 8% is Pb in bronze bearing, exempted from RoHS
C	carbon	7440-44-0	0.007	
carbon black	lamp black, acetylene black	1333-86-4	0.000	
CaO	calcium oxide, quicklime	1305-78-8	0.012	
Cd in housing alloy	cadmium in zinc alloy	7440-43-9	3.64E-05	5 ppm concentration in housing alloy, below restriction threshold
cobalt naphthenate	naphthenic acid, Naftolite	61789-51-3	5.10E-06	
cobalt neodecanonate		27253-31-2	5.10E-06	
Cr (0)	chrome, chromium (in metals)	7440-47-3	0.834	unrestricted, not hexavalent
Cu	copper	7440-50-8	0.985	
cyclohexane-1,2-dicarboxylic anhydride	Hexahydro-1,3-isobenzofurandione	85-42-7	2.55E-05	
DAIP resin	Diallyl Isophthalate	1087-21-4	0.005	
Fe	iron	7439-89-6	3.643	
FeO2	iron (III) oxide, ferric oxide	1345-25-1	0.012	
Fiberglass	glass fiber or bead	65997-17-3	0.319	
Methacryloxypropyl trimethoxysilane	3-(trimethoxysilyl) propyl methacrylate	2530-85-0	2.75E-05	
Mg	magnesium	7439-95-4	0.001	
MgO	magnesium oxide	1309-48-4	0.012	
Mn	manganese	7439-96-5	0.049	
MnO2	manganese dioxide or oxide	1313-13-9	0.024	
Ni	nickel	7440-02-0	0.378	
NiO	nickel (II) oxide, nickel monoxide	1313-99-1	4.08E-05	
organic phosphate ester	nonylphenol ethoxylate	68412-53-3	4.08E-05	
P	phosphorous, red or amorphous	7723-14-0	0.005	
PA66	polyhexamethylene adipamide	32131-17-2	0.628	
Pb in housing alloy	lead in zinc alloy	7439-92-1	7.27E-05	10 ppm concentration in housing alloy, below restriction threshold
Pb in brass	lead in copper alloy	7439-92-1	0.038	exempted in RoHS annex, location is in plated brass nut
Pd	palladium	7440-05-3	0.001	
Pt	platinum	7440-06-4	1.24E-05	
S	sulfur	7704-34-9	0.005	
Si	silicon	7440-21-3	0.023	
SiO2, amorphous	silicon dioxide, silica	7631-86-9	0.024	
Sn	tin	7440-31-5	0.003	
t-butyl peroxybenzoate	tert-butyl peroxybenzoate, tert-butyl perbenzoate, perbenzoic acid t-butyl ester	614-45-9	5.20E-05	
TiO2	titanium dioxide, titania	13463-67-7	0.012	
Trade secret (as claimed by supplier)	claimed as non-hazardous	n/a	0.021	unrestricted and non-hazardous
Zn	zinc	7440-66-6	7.398	
Sum of component materials			18.0	