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6. A process for preparing a dental amalgam which comprises triturating the composition of claim 1 with sufficient mercury to form a workable plastic amalgam.

7. A composition adapted for amalgamation with mercury to form a dental amalgam comprising a substantially uniform blend of:

a. about 55 to 95% by weight of a first powder having a particle size distribution in the range of about 1 to 100 microns and consisting essentially of an alloy of about 40 to 70% by weight silver, about 10 to 30% by weight tin and about 20 to 40% by weight copper; and

b. about 5 to 45% by weight of a second powder having a particle size distribution in the range of about 1 to 100 microns and consisting essentially of an alloy of about 55 to 75% by weight silver, about 20 to 40% tin, about 0.05 to 10% by weight copper and about 0.1 to 2.0% by weight zinc.

8. A process for preparing a dental amalgam which comprises triturating the composition of claim 7 with mercury in the proportion of about 0.8 to about 1.5 parts by weight of mercury per part by weight of said composition to form a workable plastic amalgam.

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