

**DIRECTIONS FOR USE OF**  
**Aristaloy®**  
**Alloy**

Aristaloy® is available in powder form and 4.5 grain (288mg.) pellets. Use any pellet/mercury dispenser that can be adjusted to a 1.2/1 alloy/mercury ratio. This is suggested as optimum for the deliberate operator and for quadrant dentistry. Optimum for the accelerated operator is 1.1/1 alloy/mercury ratio (52%).

**MECHANICAL TRITURATION**

Use a plastic capsule with metal pestle for both powder and pellet.

**COMPLETE TRITURATION TABLE**

Amalgamator	1 Spill (Secs.)	2 Spills (Secs.)	3 Spills (Secs.)
Vari-Mix II M2	10	12	14
Dentomat	20	22	24
Pelton & Crane	14	16	18
Silamat	4	5	
Toothmaster	14	18	
Torit	14	16	
Wig-L-Bug	14	16	18
Wig-L-Bug LP60	14	16	18
Zenith	10	12	14

Variation in voltage, capsule construction, and individual machines, may require you to adjust trituration time to your needs. To obtain a drier mix, increase trituration time in 2-second intervals.

**DENTAL AMALGAM ALLOY MATERIAL SAFETY DATA SHEET**

Manufactured by:

Goldsmith & Revere  
 242 South Dean Street  
 Englewood, NJ 07631  
 (201) 894-5500

Ingredients:

Silver	Tin
Copper	

Physical Characteristics:

Appearance: Silver colored powder  
 Specific Gravity: 9gm/cc  
 Melting Point: 1500° C

Fire Hazard:

- Silver powder alloy can be a combustible solid.
- Toxic fumes may be produced in a fire.
- Use dry chemicals appropriate for extinguishing metal fires.
- Do not use water.

Health Hazard Data:

- Routes of entry: Inhalation  
 OSHA legal limit for 8-hour exposure is 0.01 mg/m<sup>3</sup>  
*Skin* – If skin contacts silver dust or small particles enters small cuts, tattooing may occur. Wash thoroughly to prevent staining.  
*Eye* – Flush immediately with a large quantity of water. Seek medical attention.

Handling and Storage:

- Prior to working with alloy you should be trained on its proper handling and storage.
- This silver alloy must be stored to avoid contact with acetylene, ammonia, hydrogen peroxide, or ethyleneimine since a violent reaction will occur.

General Precautions:

Avoid breathing dust, avoid skin contact.