

## 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.