

# SILVER DIAMINE FLUORIDE (SDF)

## Advantage Arrest™ Provider Instructions - Simplified

Office information here

For complete product monograph and complete provider instructions see: [http://oralscience.com/en/products/advantage\\_arrest/](http://oralscience.com/en/products/advantage_arrest/)

### **Product information:**

38% Silver Diamine Fluoride (25% Silver, 5.5% Fluoride, 8% Ammonia).  
Non-medicinal ingredients: water, FD&C Blue No 1

### **Contraindications,** if individuals:

- 1) have a **silver allergy**
- 2) are **pregnant or nursing**;
- 3) have **sores or raw areas on the gums**



### **Supplies and equipment required:**

- 1) Mouth mirror
- 2) Small disposable dappen dish (or disposable wells)
- 3) Cotton rolls or gauze for isolation
- 4) Silver Diamine Fluoride product (1 drop should complete 1-5 lesions)
- 5) Small applicator sponge or micro-tip applicator
- 6) Barrier for counters/workspace may be required

### **Application procedure:**

- 1) Dispense 1 or 2 drop(s) of solution into dappen dish
- 2) Clean and dry the affected tooth surface (remove as much soft debris as is reasonable)
- 3) Isolate if required
- 4) Using applicator sponge transfer solution directly to the tooth lesion
- 5) Allow SDF to dry for 60 seconds
- 6) Air-dry or blot with a cotton roll or gauze
- 7) Excess can be wiped or rinsed away if required

### **Notes:**

- 1) Can be reapplied at intervals of >1 week if required
- 2) When using silicone applicators, press straight down on the drop as the SDF may move away from the applicator
- 3) Educate your clients on staining! The indicator of effectiveness is when the silver oxide binds to the carious lesion causing it to turn dark brown or black. Staining is an indicator of antimicrobial effectiveness

**Caution:**

- 1) Be sure to avoid getting the SDF on face and soft tissue etc. Immediately wash any exposed areas with water. Stain will go away after a few days. SDF that contacts hard surfaces or clothing and not cleaned right away may leave a permanent stain.

**Possible chart notation:**

Residential care

Silver Diamine Fluoride (SDF) was placed on the tooth/teeth #\_\_\_\_\_. SDF is an antibiotic liquid used on cavities to help stop tooth decay. The treated tooth area(s) will eventually stain black, which is normal and to be expected. If any of the liquid was accidentally applied to the skin or gums, a brown or white stain may appear that causes no harm, cannot be washed off, and will disappear in 1-3 weeks. The resident/patient may also experience a metallic taste that will go away rapidly. The patient/resident is able to eat and drink immediately after the application.