



Copper Conservation Fluid

PRODUCT SUMMARY:

VERDI-GONE™ is a water-soluble, clear, odorless, copper conservation fluid for the rapid removal of light to moderate verdigris. Chemist developed, the gentle formula contains no cleaners, acids, solvents or other harsh chemicals. When used as directed, it will generally maintain the original oxidized/organic patina of aged copper while removing the green/blue cupric compound (acetate, sulfate, carbonate, chloride) surface verdigris.

VERDI-GONE™ is effective on many different types of copper coinage. However, as with any chemical product, results will vary based on factors such as: degree of verdigris or corrosion, product amount used, exposure time, temperature, etc. For optimum results treat only one coin at a time. VERDI-GONE™ is not intended to treat large quantities of copper pieces; it is a conservation fluid (not a cleaner) for copper coin numismatists.

DIRECTIONS FOR USE:

Note: In some cases, lightening of the patina is possible. To minimize the chance of patina lightening, reduce exposure time by removing coin from solution once verdigris has been removed. Use on brilliant uncirculated (BU) specimens is not recommended. VERDI-GONE™ may stain or discolor BU coins, especially with over-exposure.

- 1) Place the specimen into a glass container (plastic containers are not recommended), add enough VERDI-GONE™ to cover the surface of the coin and cap or tightly cover. **DO NOT ALLOW THE SOLUTION TO EVAPORATE OR SPECIMEN SURFACE DAMAGE MAY OCCUR.** Recommended volume is 8- to 10-mL for a single cent coin (approximately 4 single pinches using the supplied pipette).
- 2) Observe the progress every few minutes or so and immediately remove the coin from solution once the verdigris has been dissolved. Typical exposure times are from 5 minutes to 5 days depending on the amount of verdigris to be removed and the degree of verdigris adhesion or depth.
- 3) **DO NOT OVER EXPOSE THE COIN.** It should be removed from solution and rinsed/soaked with distilled water once the verdigris has been dissolved. Damage to the patina and/or coin surface may result from unnecessary over-exposure or failure to rinse.
- 4) When longer exposures are needed for heavy verdigris, it may be necessary to periodically discard the used solution and replenish with fresh, clean VERDI-GONE™. An indication that the product may need to be replenished is when the solution turns blue.
- 5) If verdigris is present on the opposite side of the coin, it will be necessary to flip it, discard the used solution and repeat the above steps. The exposed surface area of the downside of the coin to VERDI-GONE™ will generally be insufficient for efficient verdigris removal due to the gentle nature of the product.

TIP! For lighter verdigris and a more gentle approach, VERDI-GONE™ may be diluted with distilled water as needed.

NOTES:

Due to the nature of verdigris, sometimes the under-lying copper surface will be reddish in color. In some cases the natural patina of these areas can be restored by reoxidizing ("retoning") the surface by exposure to air and light over a long period (weeks or months).

VERDI-GONE™ will not remove black carbon spots or other organic deposits (i.e. finger prints, black smears, etc.), unless they are water-soluble, due to its gentle nature. VERDI-GONE™ is intended to only remove verdigris. Surface treatments such as mineral oil must be removed before using the product. If VERDI-GONE™ cannot get to the verdigris, it cannot react with it! Please read the FAQ for more information.

CAUTION:

Product is alkaline. Product is a primary eye irritant. Product is not a primary skin irritant. Do not swallow. Keep away from children and pets. Consult product MSDS before use.

PRECAUTIONARY MEASURES:

- Avoid all contact with eyes or prolonged skin contact.
- Wear impervious gloves (nitrile or rubber), safety glasses (shield or goggles), and appropriate protective clothing.

FIRST AID:

IN CASE OF EYE CONTACT, flush with running water for 15 minutes. Call a physician.

IN CASE OF SKIN CONTACT, wash immediately with water, remove and launder contaminated clothing. If irritation occurs, seek medical attention.

IF SWALLOWED, do not induce vomiting, dilute by drinking water followed by fruit juice. No need for medical attention is anticipated, however, if you feel unwell, seek medical attention.

FOR INHALATION, breathe fresh air. Seek medical attention if you feel unwell.

DISCLAIMER:

Manufacturer shall not be held responsible for damage caused by using VERDI-GONE™ on any metal surfaces. The end-user/consumer assumes all risks associated with using this product.

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