

# Triple-S Chemical Products, Inc.



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## **IMMERSION COPPER**

### For Steel

#### **DESCRIPTION:**

**Immersion Copper** for Steel is a **Triple-S Product** designed to develop a copper color on different steel alloys. This solution is a non-chromate, non-cyanide liquid to produce a thin copper layer on steel at room temperature in approximately 5-10 seconds. It is widely used on lighting fixtures, lamps, sculptures, gift items, etc... The surface will not chip or peel off.

#### **PREPARATION:**

Parts must be free of grease, alkalinity or acid when **Immersion Copper** is applied. Parts must be thoroughly cleaned and deoxidized prior to blackening. **Cleaner 104** is recommended for removing heavy oils and oxidation. Do not use petroleum-degreasing solvents that leave a residue on the surface. Rinse thoroughly with over flowing cold water to remove residual cleaners and dust. It is important that alkaline cleaners are completely rinsed off prior to blackening.

**IMPORTANT:** Triple- S does **NOT** recommend using any sort of alcohol, solvent, acid or degreaser to clean parts prior to solution application. **Cleaner 104** is a great cleaner to ready parts for **Immersion Copper** or even powdered cleaners such as **Ajax** or **Comet** can also be used. Use the cleaner in conjunction with a scotch brite pad and apply medium strength scrubbing to prepare the part then thoroughly rinse with fresh water. **Cleaner 104** run off should be contained and disposed of as per local hazmat disposal laws.

#### **APPLICATION:**

Clean the part with **Cleaner 104**. Rinse thoroughly with water and dry. Apply **Immersion Copper** solution with a brush or spray for 5-10 seconds. Rinse thoroughly with water and allow to dry. You can turn this Copper to Pewter or Blue Green or Green Patinas by spraying Pewter Look, Green Verde #444, Blue Green Verde #445 or Blue Verde #11 on top of the **Immersion Copper**. (A couple of layers of Immersion Copper might be necessary if you wish to add a patina to the **Immersion Copper**.) Rinse thoroughly with over flowing cold water to stop chemical reaction. It is recommended to protect the finish with a clear lacquer (e.g., **WSL-55** or **AL-70**)

#### **CAUTION:**

Avoid contact with skin or eyes. Contact with skin or eyes may cause irritation and/or burning sensation. Protective clothing, rubber gloves and a face shield should be worn when handling.

**Do not take internally!**

#### **FIRST AID:**

In case of skin contact, wash skin with large amounts of fresh water. In case of eye contact flush immediately with large amount of fresh water for at least 15 minutes and **Call a Physician Immediately!**

#### **DISPOSAL:**

Contaminated product soil, water container residues and spill clean-up materials may be hazardous wastes. Avoid contact water. Comply with local, state and federal regulations concerning solid or hazardous waste disposal and or container disposal.