

# Triple-S Chemical Products, Inc.



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## **BLACK C- 1** For Copper, Brass & Bronze

### **DESCRIPTION:**

**Black C- 1** is a concentrated solution which develops a black antique finish on copper, brass and bronze at room temperature. Primarily used for decorative purposes.

### **APPLICATION:**

Concentration	1 part <b>Black C- 1</b> to 5 parts of water (by volume)
Temperature	65-85° F.
Time	10-60 seconds.
Tank	Acid resistant containers (plastic, P.V.C. or polyethylene)

### **COLOR FORMATION:**

Color formation depends upon time of immersion and concentration of the solution. For a darker black finish, dilute the solution with only 2 parts water and increase immersion time to 1-2 minutes depending on the desired color.

### **SURFACE PREPARATION:**

Parts must be free of grease, alkalinity or acid when **Black C-1** 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 **Black C-1** 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:**

Immerse the pieces in **Black C- 1** for the necessary time to achieve the desired color. Small parts can be dipped in the solution in a Stainless Steel or plastic baskets. Rinse with water and dry. The finish is easily relieved by brushing or mechanical polishing to produce a variety of antique finishes. To produce a uniform colored finish, tumble or vibrate the small parts in sawdust. Large pieces can be wiped dry or buffed. It is recommended that a clear lacquer (e.g. **WSL- 55** or **AL-70**) be applied to the coating to provide maximum life.

### **BATH MAINTENANCE:**

Because the finish is the result of a chemical reaction between our **Black C- 1** and the metal, the chemical activity will diminish as the solution is continually used. When the time required to produce the desired color increases, add 5% by volume of **Black C- 1** solution.

### **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 with water. Comply with local, state and federal regulations concerning solid or hazardous waste disposal and or container disposal.

The information stated herein is based on information and tests we believe to be reliable. The accuracy or completeness thereof is not guaranteed. Since conditions of use are outside our control, user shall, before using, determine the suitability of the product for his intended use and user assumes all risk and liability in connection therewith.