



Triple-S Chemical Products, Inc.

3464 Union Pacific Avenue
Los Angeles, CA 90023
www.patinas.com

Toll Free (888) 417-5214
Tel: (323) 261-7301
Fax: (323) 261-5567

BLACK- N For Nickel

DESCRIPTION:

Black- N is a rapid acting chemical formula to develop a black antique finish on Nickel surfaces at room temperature. The product is a mildly acidic solution containing no chromates, sulfides, cyanides, caustic or phenols.

DIRECTIONS:

Use an acid resistant container as the immersion tank. Plastic, plastic lined, glass or rubber lined is suitable. Do not use an uncoated metal container. **Black- N** should be used as is, no dilution necessary. Usually a period of 10 to 60 seconds is needed to produce a uniform gray/black finish. The immersion time can be shortened by using a stronger solution or lengthened by using a weaker solution.

PREPARATION:

Parts must be free of grease, alkalinity or acid when **Black- N** 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- N** or even a powdered cleaner like Ajax or Comet are recommended. Use with a scotch brite pad and medium 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 with over flowing cold water. Immerse the parts in **Black- N** solution for 10-60 seconds. Agitate the parts to break air bubbles and to assure solution contact with all surfaces. Plastic or plastic baskets should be used for small parts. Rinse thoroughly with over flowing cold water, then wipe dry and seal. It is recommended to protect the finish with a clear lacquer (e.g. **WSL- 55** or **AL-70**).

SOLUTION CONTROL:

The blackening process with **Black N** is a chemical reaction between the solution and metal surface. Chemical activity is gradually diminished as the solution is used but may be restored to the desired strength by adding fresh concentrate. When immersion time necessary to produce the desired black is increased, add sufficient concentrate to reduce immersion time to your previous standard. Keep a record of additions to establish a bath history.

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.

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.