



# TECHNICAL DATA SHEET

## Ferric Nitrate

**Product Description:** **Ferric Nitrate** is designed to create a honey brown to a dark brown on bronze, brass, and copper. Supplied as a ready to use formula, Ferric Nitrate should not be diluted but instead applied directly to the cleaned metal surface. Ferric Nitrate is designed to be applied to a hot surface (about 180-200° F). This patina normally will take a few coats in order to get a good coverage and works excellent as a base patina for other finishes. Ferric Nitrate also works, as a cold process, on iron and non-stainless steels to create a light orangey rust as well as a yellowish brown color on zinc or galvanized. For use iron, non-stainless steels, zinc, or galvanized, do not rinse the patina, allow it to react overnight.

**Safety:** Use in a well ventilated area. Always wear goggles or face shield, vapor respirator, protective clothing and gloves when handling the product.

**Directions:** 1) Clean the metal with Sculpt Nouveau Metal Cleaner and Degreaser and a Scotch-Brite pad, rinse with water after a few minutes. For more consistent and better reactions, sanding or sandblasting is recommended. Cleaning the surface is mandatory after sanding or handling with bare hands.

**DO NOT** use Acetone or any solvent based cleaners.

2) Heat the metal up to about 180-200° F with a propane torch then apply Ferric Nitrate to the metal surface by brush, sponge, or spray, however you get the patina on the metal, it will react with the surface but it may show characteristics based on application method. Spraying is the most common method. You should see some reaction almost immediately. Try to maintain the temperature of the metal around the 180-200° F range. The patina should mist off if you are at the correct temperature. Try not to overheat the metal since that can start changing the finish.

3) Reapply the patina as needed to achieve the look desired. Follow step 2 as needed.

4) Allow the metal to cool, then apply desired clear coat such as Clear Guard EF or Ever Clear.

**Before Using:** Please read, understand, and follow all the precautions shown on the product label and on the Safety Data Sheets.

The Safety Data Sheets can be found on our website: [www.sculptnouveau.com](http://www.sculptnouveau.com)

### Technical Data

Physical State: Opaque orange liquid

Boiling Point: > 100°C (>212°F)

Coverage: About 200 Sq. Ft. Per Gallon

Solubility In Water: Complete  
PH: 3.2

V.O.C.: Not applicable

Metals that it is designed to be used on: Bronze, Brass, Copper, Iron, Steel, and Galvanized Steel

Flammability Limits: Not flammable

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