

Material Safety Data Sheet

Darkening Patina 2012

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: SWELLEGANT DARKENING PATINA

DISTRIBUTED BY: The Great Create
7700 E Iliff Av. Unit H
Denver, CO 80231
303-246-0268

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>DESCRIPTION</u>	<u>CAS NUMBER</u>	<u>WEIGHT%</u>
Selenious Acid	7783-00-8	+/- 4
Phosphoric Acid	7664-38-2	+/- 4
Cupric Nitrate	3521-23-8	+/- 7
Water	7732-18-5	+/- 75
Proprietary Ingredients- non-hazardous		+/- 10

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Odorless blue liquid. Irritating or burning to eyes and skin.

EYE CONTACT: Severe or permanent eye damage, symptoms of redness, burning.

SKIN CONTACT: Irritation and possible burns upon direct contact with certain individuals.

INGESTION: Severe burns of mouth, throat, and stomach. Other possible symptoms include nausea, abdominal pain and vomiting.

INHALATION: If sprayed, breathing mists can cause nose and throat irritation, headache, dizziness, nausea, and difficulty breathing.

CHRONIC: Not established.

4. FIRST AID MEASURES

EYE CONTACT: Flush immediately with clean water. Continue for at least 15 minutes. Consult a doctor.

SKIN CONTACT: Remove contaminated clothing to avoid prolonged exposure. Wash exposed area with soap and water. Seek medical attention if irritation develops.

INHALATION: (mist) Remove from exposure. Provide oxygen if breathing is difficult. Seek medical attention if necessary.

INGESTION: DO NOT induce vomiting. Call poison control center IMMEDIATELY (866-291-7152) for further instructions.

5. **FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES

FLASHPOINT: Will not flash

FLAMMABLE LIMITS: Not flammable

EXTINGUISHING MEDIA: This product is not combustible or flammable. Use extinguishing agents that are suitable for the surrounding fire: water spray, dry chemical, foam, or Carbon Dioxide.

FIRE & EXPLOSION HAZARDS: May react to metals to release hydrogen gas, which can form explosive mixtures with air.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear approved SCBA and full turn-out gear.

6. **ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: Review current, local, state and federal laws, codes, statutes, and regulations to determine appropriate agencies to be notified, and the conditions under which they are to be notified. Wear recommended protective equipment. Recover as much free liquid as possible and collect in acid-resistant container. Use absorbent material to pick up residue. Avoid discharging liquid directly into a sewer or surface waters.

WASTE DISPOSAL METHODS: Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Waste and its solutions are assigned EPA Hazardous Waste Numbers D002 and D010. The wastes can be disposed of through a licensed waste disposal company.

7. **HANDLING & STORAGE**

Store in acid resistant containers in a cool dry place. Keep containers covered when not in use. Avoid storing with cyanides, water-reactive substances and strong reducing agents. Empty containers may retain hazardous product residues. Wear protective equipment when handling product. Avoid breathing mists or sprays. Avoid eye and skin contact.

8. SPECIAL PROTECTION INFORMATION

NOTE: The product itself does not produce hazardous fumes or vapors. Consequently, no ventilation or respiratory protection is required under normal operation conditions. However, if the product is applied in a way produces mists or aerosols, then appropriate ventilation and respiratory protection is recommended.

RESPIRATORY PROTECTION (type): Use a NIOSH approved respirator.

PROTECTIVE GLOVES: Rubber

EYE PROTECTION: Use NIOSH goggles, face shield

OTHER PROTECTIVE EQUIPMENT: Rubber/plastic apron to prevent skin contact.

Eyewash and emergency shower.

LOCAL EXHAUST VENTILATION (rate): As needed to keep exposure below TLV.

MECHANICAL VENTILATION: No information

SPECIAL VENTILATION: N/A

9. PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT: >212 degrees F

VAPOR PRESSURE: No data

VAPOR DENSITY: (AIR=1): <1

SOLUBILITY IN WATER: Complete

APPEARANCE & COLOR: Odorless blue liquid

SPECIFIC GRAVITY: (Water=1): 1.055

VOLATILE by VOLUME: None- except water

EVAPORATION RATE: (Ethyl Ether=1) <1

10. STABILITY & REACTIVITY

STABILITY: Stable at normal temperatures

CONDITIONS TO AVOID: Excessive heat

INCOMPATIBILITY: (Materials to avoid): Cyanides, water-reactive substances, most metals, strong reducing agents, and chlorinated cleaners or sanitizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Reaction with organics and strong reducing agents can produce organoselenides and hydrogen selenide. Thermal decomposition may produce selenium, phosphoric and copper oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Eye contact. Inhalation. Ingestion.

TOXICITY TO ANIMALS: (LD50): oral, rat 1530 mg/kg (phosphoric acid), 794 mg/kg (cupric nitrate)

TARGET ORGANS: Eyes, skin, lungs (corrosive), liver, kidney, spleen.

Medical conditions that may be aggravated by exposure: Pre-existing skin, eye, respiratory, liver, kidney disorders.

Carcinogenicity: LARC: None NTP: None OSHA: None

12. ECOLOGICAL INFORMATION

ECOTOXICITY: Not available

ENVIRONMENTAL FATE: N/A

13. DISPOSAL CONSIDERATIONS

This product exhibits the characteristic of corrosivity (EPA Hazardous Waste Number D002 and D010). Review current, local state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact appropriate agency for specific information. Treatment, transport, storage & disposal of hazardous waste must be dealt with by a licensed facility or waste handler.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION AND PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Selenious and Phosphoric Acids), 8/UN3264/P.G.II
Exceptions: 49CFR 173.154

15. REGULATORY INFORMATION

TSCA: The materials in the product are listed on the TSCA Inventory.

CERCLA: 40 CFR 117, 302: Reportable Quantity =10lb. (selenious acid); 100 lb. (cupric nitrate); 5000 lb. (phosphoric acid).

SARA TITLE III: Section 311/312 (Immediate health effects: Yes, Delayed health effects: Yes, Fire Hazard: No, Reactivity: No, Sudden Release of Pressure Hazard: No)
Section 313 Reportable Ingredients: Selenious Acid, Phosphoric Acid, Cupric Nitrate
State "Right to Know" – This product may contain components cited on certain state lists. Consult with your individual State regarding this product's components.

16. OTHER INFORMATION

NFPA RATINGS: Health: 3 Flammability: 0 Reactivity: 0

