

Safety Data Sheet



Health	1
Fire	0
Reactivity	0
Personal Protection	H

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	CUPRIC NITRATE PATINA
Chemical Name:	Patina Solution
Trade Name:	Traditional Patina - CUPRIC NITRATE
Product Use:	Oxidizing solution for non-ferrous metals
Distributor's Name:	Sculpt Nouveau, LLC
Distributor's Address:	1155 Industrial Ave. Escondido, CA 92029
Emergency Phone:	CHEMTREC 800-424-9300 U.S. and Canada; 1-703-527-3887 International
Business Phone:	+760-432-8242

2. HAZARDS IDENTIFICATION

Hazard Identification:	<p>This product is classified as a hazardous substance and as dangerous good according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia)</p> <p>DANGER! MAY BE HARMFUL IN CONTACT WITH SKIN. MAY CAUSE SKIN IRRITATION. MAY CAUSE SERIOUS EYE IRRITATION. OXIDIZER</p> <p><u>Hazard Statements</u> May intensify fire; oxidizer. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life and with long lasting effects.</p> <p><u>Precautionary Statements (P):</u> P262 - Do not get in eyes, on skin, or on clothing. P226 - Wash skin thoroughly after handling. P280 - Wear protective gloves/protective clothing, eye protection and face protection. P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention.</p>	
Effects of Exposure:	<p>Eyes: Irritation upon direct contact.</p> <p>Skin: Slight irritation upon direct contact.</p> <p>Ingestion: Irritation to mucous membranes.</p> <p>Inhalation: Irritation in respiratory tract and mucous membranes.</p>	
Symptoms of Overexposure:	<p>Eyes: Redness, burning, irritation, and swelling around eyes.</p> <p>Skin: Redness, and irritation of skin.</p> <p>Ingestion: Possible nausea and vomiting.</p> <p>Inhalation: Coughing, sore throat, irritation in mucous membranes, difficulty breathing.</p>	
Acute Health Effects:	May cause irritation to mucous membrane and irritation to eyes.	
Chronic Health Effects:	None known.	
Target Organs:	Eyes, respiratory system.	

3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	WEIGHT%	EXPOSURE LIMITS IN AIR (mg/m ³) ppm					
			ACGIH		OSHA		NOHSC	
			TWA	STEL	TLV	PEL	TWA	STEL
Water	7732-18-5	80 - 95%	None	None	None	None	None	None
Cupric Nitrate	1031-43-3	5 - 20%	1	NA	NA	1	1	NA

4. FIRST AID MEASURES

First Aid:	<p>Ingestion: DO NOT INDUCE VOMITING. Contact nearest Poison Control Center for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.</p> <p>Eyes: If product gets in eyes, flush eyes thoroughly with large amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If the eyes or face become swollen during or following use, consult a physician or emergency room immediately.</p> <p>Skin: Remove contaminated clothing and wash affected areas with soap and water. If discomfort or a skin reaction occurs, contact a physician. Do not wear contaminated clothing until clean.</p> <p>Inhalation: Remove victim to fresh air at once. Seek immediate medical attention if breathing is difficult.</p>
Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the eyes or respiratory system or impaired kidney function may be more susceptible to the effects of this substance.

5. FIREFIGHTING MEASURES

Fire and Explosion Hazard :	Non flammable. May intensify fire. Oxidizer.
Extinguishing Methods :	Use water fog, foam, dry chemical powder or carbon dioxide.
Firefighting Procedures :	As with any fire, firefighters should wear appropriate protective equipment including a NIOSH approved or equivalent self contained breathing apparatus and protective clothing. Cool tanks with water spray. Move containers from fire area if you can do so without risk. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Fight fire for surrounding areas.

6. ACCIDENTAL RELEASE MEASURES

Spills:	<p>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate personal protective equipment (PPE). Use safety glasses and face shield, gloves and other protective clothing to prevent skin contact.</p> <p><u>Small Spills:</u> Wear appropriate protective equipment including gloves and protective eyewear. Use an inert material such as vermiculite or sand to soak up the product and place into a container for later disposal.</p> <p><u>Large Spills:</u> Keep incompatible materials away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of the area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment. Recover as much free liquid as possible and collect in acid resistant container. Use absorbent to pick up residue. Avoid discharging liquid into a sewer or surface waters.</p>
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7. HANDLING & STORAGE INFORMATION

Work and Hygiene Practices:	Avoid breathing mists or spray. Avoid eye and skin contact. Wear protective equipment when handling product. Keep out of the reach of children. Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Do not expose to heat and flame. Use only in ventilated areas. Immediately clean up and decontaminate any spills or residues.
Storage and Handling:	Keep away from heat. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). Do not store near combustible materials.
Special Precautions:	Empty containers may retain hazardous product residues. Do not reuse empty containers for other purposes.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Ventilation and Engineering Controls:	Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate equipment is available (eye wash station, sink, etc.).
Respiratory Protection:	In instances where vapors of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CR 1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Province, EC member States, or Australia.
Eye Protection:	Safety glasses with side shields must be used when handling this product. A face shield is also recommended.
Hand Protection:	Wear protective, chemical-resistant gloves, (e.g., neoprene) when handling this product.
Body Protection:	A chemical resistant apron and protective clothing are recommended when handling or using this product.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Blue translucent liquid
Odor:	Slight nitric acid odor
Odor Threshold:	N/A
pH:	N/A
Melting and Freezing Point:	491°F (255°C) estimated
Boiling Point/Range:	N/A
Flashpoint:	Will not flash
Flammability Limits:	Not flammable
Vapor Pressure:	0 cm/hg
Vapor Density:	N/A
Relative Density:	1.10
Solubility:	Complete
Evaporation Rate:	Similar to water (water = 1)

10. STABILITY & REACTIVITY

Stability:	Stable and non-reactive under normal conditions of use, storage and transport.
Hazardous Decomposition:	No hazardous decomposition products are known.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	N/A
Incompatible Substances:	Incompatible with easily oxidizable materials.

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation: Yes	Absorption: Yes	Ingestion: Yes	
Toxicity Data:	NA			
Acute Toxicity:	Acute oral toxicity (LD ₅₀): 940 mg/kg (Rat)			
Chronic Toxicity:	Prolonged inhalation may be harmful.			
Suspected Carcinogen:	This product is not expected to be a carcinogen by IARC, ACGIH, NTP, or OSHA.			
Reproductive Toxicity:	This product is not expected to cause reproductive or developmental effects.			
Mutagenicity:	No data available to indicated product or any components present at greater than 0.1% are mutagenic.			
Embryotoxicity:	NA			
Teratogenicity:	N/A			
Irritancy of Product:	Can cause skin irritation but it is not expected to. Can cause serious eye irritation			
Biological Exposure Indices:	NE			
Physician Recommendations:	Treat symptomatically			

12. ECOLOGICAL INFORMATION

Environmental Stability	No data available
Effects on Plants & Animals:	No data available
Effects on Aquatic Life:	Very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected. Crustacea, EC ₅₀ , Water flea (<i>Moina dubia</i>): 0.037 - 0.044 mg/l, 48 hours estimated. Fish, EC ₅₀ , Winter flounder (<i>Pleuronectes americanus</i>): 0.057 - 0.1061 mg/l, 96 hours estimated

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	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 the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler. Do not allow this material to drain into sewers/water supplies.
Special Considerations:	U.S EPA Hazardous Waste - Characteristic - Toxic (D010). Characteristic - Corrosive (D002)

14. TRANSPORTATION INFORMATION

49 CFR (GND) IATA (AIR) IMDG (OCN) TDGR (Canadian GND) ADR/RID (EU) SCT (MEXICO) ADGR (AUS)	UN3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (Copper Nitrate Solution). 8, III
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15. REGULATORY INFORMATION

SARA Reporting Requirements:	This product contains, a substance subject to SARA Title III, section 313 reporting requirements.
SARA Threshold Planning Quantity	NA
TSCA Inventory Status:	Is listed on the TSCA inventory as a toxic substance.
Federal and State Regulations:	<u>Cupric Nitrate</u> is found on the following state criteria lists: Florida Toxic Substances List, Massachusetts Right to Know List; New Jersey Right-to-Know List (500 lbs); Pennsylvania, Right to Know Hazardous Substances; Rhode Island, Right to Know List.
Other Canadian Regulations:	This product has been listed on the Domestic Substances List (DSL) and the Non-Domestic Substances List (NDSL)\ WHMIS Class E (Corrosive Material).
CERCLA Reportable Quantity:	<u>N/A</u>
Other Federal Requirements:	NA
Other Requirements:	U.S. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. OTHER INFORMATION

Other Information:	DANGER! Components of this solution are dangerous and toxic. May be harmful if swallowed or inhaled.
Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of Sculpt Nouveau's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
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