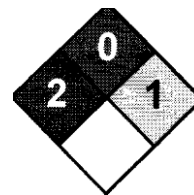


# Safety Data Sheet



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Personal Protection	H



## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	<b>GREEN PATINA SPRAY</b>
Chemical Nature:	Patina Solution
Trade Name:	GREEN PATINA SPRAY
Product Use:	Oxidizing solution for non-ferrous metals
Distributor's Name:	Dixie Belle Paint Company
Distributor's Address:	8019 Ridge Road Port Richey, FL 34668
Emergency Phone:	CHEMTREC 800-424-9300 U.S. and Canada; 1-703-527-3887 International
Business Phone:	813-909-1962

## 2. HAZARDS IDENTIFICATION

Hazard Identification:	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) DANGER! MAY BE HARMFUL IN CONTACT WITH SKIN. MAY CAUSE SKIN IRRITATION. MAY CAUSE SERIOUS EYE IRRITATION. <u>Hazard Statements:</u> H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. <u>Precautionary Statements (P):</u> P260 - Do not breathe fumes, mist, vapors or spray. P264-Wash hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing, eye protection and face protection. Response: P301 +PP330 +P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P305 +P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P405 Store locked up.		
Effects of Exposure:	Eyes:	Severe irritation upon direct contact.	
	Skin:	Slight irritation upon direct contact.	
	Ingestion:	Severe irritation to mucous membranes.	
	Inhalation:	Irritation to respiratory tract and mucous membranes.	
Symptoms of Overexposure:	Eyes:	Redness, burning, irritation, and swelling around eyes.	
	Skin:	Redness, and irritation of skin.	
	Ingestion:	Possible nausea and vomiting.	
	Inhalation:	Coughing, sore throat, irritation in mucous membranes, difficulty breathing.	
Acute Health Effects:	Causes 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 <sup>3</sup> ) ppm					
			ACGIH		OSHA		NOHSC	
			TWA	STEL	TLV	PEL	TWA	STEL
Water	7732-18-5	70-90%	None	None	None	None	None	None
Ammonium Chloride	12125-02-9	5-15%	10	20	NA	NA	NA	NA
Cupric Sulfate	7758-99-8	<b>5-15%</b>	1	NA	1	NA	NA	NA
Diethylene Glycol Monobutyl Ether	112-34-5	3-10%	NA	NA	NA	NA	NA	NA
Non Hazardous Trade Secret	NA	5-15%	NA	NA	NA	NA	NA	NA

NA= Not Available; ND= Not Determined; NE Not Established; NF= Not Found;

All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z200.1-2010 format.

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## 4. FIRST AID MEASURES

First Aid:	<p>Ingestion: DONOT INDUCE VOMITING. Rinse mouth immediately after ingestion. Give lots of water to drink. Immediately consult a doctor and call Poison Control.</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. Cover eyes aseptically. Do not apply neutralizing agents. Take victim to an ophthalmologist.</p> <p>Skin: Wash immediately with plenty of water (15 minutes). Do not apply (chemical) neutralizing agents. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor.</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 : Reactivity	On heating: release of toxic/corrosive/combustible gases/vapors (ammonia). On burning: release of toxic and corrosive gases/vapors (nitrous vapors). Concentrated solution violent to explosive reaction with many compounds e.g.: with some halogens compounds, with strong oxidizers and with some acids.
Extinguishing Methods :	Use fire extinguishing media appropriate for surrounding materials. No unsuitable extinguishing media known.
Firefighting Procedures:	Cool tanks/drums with water spray. Move them into safety. Do not move the load if exposed to heat. Dilute toxic gases with water spray. Take account of toxic-fighting water. Use water moderately and if possible collect or contain it. Do not enter fire area without proper protective equipment, including respiratory protection.

## 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 powdered limestone 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:	Use and store in a cool, dry, well ventilated location, away from heat and direct sunlight. Store in acid resistant containers. Keep containers covered when not in use. Avoid temperatures above 40°C (104°F). Keep away from incompatible substances (see section 10). Protect containers from physical damage. Keep locked up.
Special Precautions:	Empty containers may retain hazardous product residues. Do not reuse empty containers for other purposes.

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## 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 294.4-93 and applicable standards of Canadian Province, EC member States, or Australia. Wear a gas mask with filter type K. For high vapor concentration use a self-contained respirator.
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:	Light Green liquid
Odor:	Slightly pungent odor
Odor Threshold:	NA
pH:	3-4.5
Melting and Freezing Point:	N/A
Boiling Point/Range:	> 100°C (>212°F)
Flashpoint:	NA
Flammability Limits:	NA
Vapor Pressure:	NA
Vapor Density:	NA
Relative Density:	NA
Solubility:	Complete
Evaporation Rate:	Similar to water (water= 1)

## 10. STABILITY & REACTIVITY

Stability:	Stable at normal temperatures and conditions.
Hazardous Decomposition:	Decomposition of this product may produce copper oxides, carbon oxides and sulfur oxides.
Hazardous Polymerization:	Has not been reported.
Conditions to Avoid:	Not available
Incompatible Substances:	Strong acids, alkalis, oxidizers, metal powders, strong bases.

## 11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation: Yes   Absorption: Yes   Ingestion: Yes
Toxicity Data:	Can cause skin burns and severe eye damage.
Acute Toxicity:	<u>Copper</u> Sulfate: Acute oral toxicity (LD50): 481 mg/kg (Rat) Dermal >1,000 mg/kg (Rat), Ammonium Chloride: Acute oral toxicity (LD50): 1410 mg/kg (Rat), Diethyl, 'lene Gil, 'col Monobutyl, 'I Ether: (LD50): 1416 mg/kg (Rat)
Chronic Toxicity:	NA
Suspected Carcinogen:	Not classified
Reproductive Toxicity:	Not classified
Mutagenicity:	Ammonium Chloride: May affect genetic material
Embryotoxicity:	NA
Teratogenicity:	Not classified
Irritancy of Product:	Irritating to respiratory tract and nasal mucous membranes. Irritating to eye tissue. Possible irritation with skin contact.
Biological Exposure Indices:	NE
Physician Recommendations:	Treat symptomatically

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## 12. ECOLOGICAL INFORMATION

Environmental Stability	No data available
Effects on Plants & Animals:	No data available
Effects on Aquatic Life:	Toxicity to fish: Ammonium Chloride: LCS0- Cyprinus carpio - 209 mg/l - 96.0 h; <u>Diethylene Glycol Monobutyl Ether</u> : LC50, Leuciscusidus (Golden orfe) - 6,812 mg/l - 96.0 h, LC50, Oncorhynchus mykiss (rainbow trout) >1,000 mg/l - 96.0 h; Toxicity to fish: Copper Sulfate: LC50 -Unspecified Harlequin fish - 0.1 - 2.5 mg/l - 96 h, LC50 - Unspecified Goldfish - 0.1 - 2.5 - 96 h. <u>Cupric</u> Sulfate: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. LC50 - Water Flea - 0.1 mg/l - 96h, EC50 - 0.024 mg/l - 48 h.

## 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.
Special Considerations:	U.S EPA Hazardous Waste - Characteristic - Toxic (D010). Characteristic - Corrosive (D002)

## 14. TRANSPORTATION INFORMATION

49CFR(GND) IATA(AIR) IMDG(OCN) TDGR (Canadian GND) ADR/RID (EU) SCT (MEXICO) ADGR (AUS)	UN1760, CORROSIVE LIQUID, N.O.S. (Cupric Sulfate), 8, III
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## 15. REGULATORY INFORMATION

SARA Reporting Requirements:	This product contains <u>Cupric Sulfate</u> , a substance subject to SARA Title III, section 311/312 reporting requirements.
SARA Threshold Planning Quantity	NA
TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
Federal and State Regulations:	<u>Cupric</u> Sulfate is regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302). <u>Diethylene Glycol Monobutyl Ether</u> is listed on the Pennsylvania Hazardous Substances List and Worker and Community RTK act. It is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 (CFR 1910.1200). It is considered an acute health hazard by the Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-To-Know Act of 1986).
Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the 5D5 contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substances List. WHMIS Class E (Corrosive Material). WHMIS Class D1 (Materials Causing Immediate and Serious Toxic Effects).
CERCLA Reportable Quantity:	<u>NA</u>
Other Federal Requirements:	NA
Other Requirements:	No additional information available.

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## 16. OTHER INFORMATION

Other Information:	DANGER! Components of this solution are dangerous and toxic. May be harmful if swallowed or inhaled.
Disclaimer:	<p>This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200.</p> <p>Other government regulations must be reviewed for applicability to this product. To the best of Dixie Belle Paint'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.</p>