

810 Market Avenue
Richmond, CA 94801

Green Products Company Safety Data Sheet

Effective Date:
November 1, 2013

SECTION 1 - IDENTIFICATION

Product Name: COPPER-GREEN® & COPPER-GREEN® Brown Wood Preservative
Product Description: Dark green or brown liquid for applying to wood to prevent various wood destroying insect infestation, water damage, wood rot, fungus & mold.

Manufacturer: Green Products Company
810 Market Avenue
Richmond, CA 94801
United States
www.coppergreen.com
510-235-9667

EPA Registration No: 66591-1 California EPA Establishment No. 066591-CA-01
EPA Registration permits are renewed annually expiring December 31 of each year.

EMERGENCY No: 1-800-535-5053

Product Use: A wood preservative that contains copper for preventing various types of wood damage.

Product Restrictions: Do not use on any material other than wood. Should not be applied to food or feed surfaces. **FOR EXTERIOR USE ONLY** (See approved label on product)
Wood treated with Copper Naphthenate must not be used in construction of beehives.

SECTION 2 - HAZARD(S) IDENTIFICATION

Hazards to humans and domestic animals

May be fatal if swallowed. Causes eye and skin irritation. Do not get in eyes, on skin or on clothing. Do not breathe vapor or spray mist. Wear a mask or pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health.



WARNING

- Irritant (Inhalation, skin and eyes)

CAUTION – Application of this product may produce a strong, lingering, unpleasant odor. Vapors may cause headache, nausea and respiratory tract irritation.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS): HEALTH-1 FLAMMABILITY-0 REACTIVITY-0
(Product not regulated by the Department of Transportation.)

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV</u>	<u>PEL</u>	<u>Percentage of Product</u>
Copper Naphthenate	1338-02-9	5	Not Available	10.0%
Process Oil	64742-58-1	Not Available	Not Available	45-55%
Mineral Spirits	64742-88-7	525mg/m3	100ppm	30-40%
	For product			315-380 Deg F
Boiling Point				
Vapor Pressure	For product		20 mm Hg @ 68.00 Deg F	
Specific Vapor Density	AIR = 1			4.9
Specific Gravity	H2O=1			.92
Percent Volatile				25%-35%
Evaporation Rate	Slower than ether			
Weight per Gal., Lbs.	7.10			
V.O.C.	For product			343 gm/ltr

SECTION 4 - FIRST-AID MEASURES

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Immediately call a poison control center or doctor for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of medical questions, emergencies or accidents involving this product call INFOTRAC at (800) 535-5053.

NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia.

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SECTION 5 – FIRE-FIGHTING MEASURES

FLASHPOINT: 150-250 Deg F
EXPLOSIVE LIMIT (PRODUCT): None
FLAMMABLE LIMIT IN AIR % BY VOLUME: None
EXTINGUISHING MEDIA: Foam, CO2, dry chemical.
SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing unit. Avoid spreading with water spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors in empty drum can explode if ignited.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Do not use, pour, spill, or store near heat or open flame. Use only with adequate ventilation. Close container when not in use.
If product has been spilled or is leaking, remove the source of the spill or leak. Recover free liquid. Spread absorbent, then pick up and place in D.O.T. waste containers. Then, where applicable, wash area with detergent and water.

SECTION 7 – HANDLING AND STORAGE

Store in a secure, well-ventilated area, protected from extreme temperatures. Store in original container only. Do not contaminate water, food or feed by storage or disposal.

DO NOT GET ON ANY MATERIAL OTHER THAN WOOD.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

THRESHOLD LIMIT VALUE (TLV): 500 ppm
RESPIRATORY PROTECTION: NIOSH approved air mask in contained area.
EYE PROTECTION: Goggles.
PROTECTIVE GLOVES: Neoprene.
OTHER PROTECTIVE EQUIPMENT: Not generally required. But safety clothes would be recommended.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: dark brown or green liquid
Odor: pungent
Initial boiling point and boiling range: 315-380 Deg F
Flashpoint: 150-250 Deg F
Evaporation Rate: Slower than ether
Vapor Pressure: 20 mm Hg
Vapor Density: 4.9
Viscosity: 343 gm/ltr
All other information not determined/available

Do not use, pour, spill, or store near heat or open flame. Use only with adequate ventilation. Close container when not in use. Soluble in mineral spirits or organic solvents.

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SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable CONDITIONS TO AVOID: None.
INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents.
HAZARDOUS DECOMPOSITION: Incomplete combustion may release carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological Data on Ingredients:

Mineral Spirits:	ACUTE ORAL (LD50):	>1710 mg/kg [Rat]
	ACUTE DERMAL (LD50):	>1710 mg/kg [Rabbit]
Copper Naphthanate:	ACUTE ORAL (LD50):	294 mg/kg [Rat]
		278.859 mg/kg [Mouse]

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

Copper Naphthanate:	ACUTE ORAL (LD50):	278.859 mg/kg [Mouse]
Mineral Spirits:	ACUTE DERMAL:	1710 mg/kg [Rabbit]

Special Remarks on Toxicity to Animals: Mineral Spirits: Inhalation (mist) Lethal Dose/Conc: .648.774 mg/m³/4H [Rat]

Chronic Effects on Humans: Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, and peripheral nervous system.

Special Remarks on other Toxic Effects on Humans:

Slightly hazardous in case of skin contact (irritant, permeator) of ingestion and of inhalation.

Acute Potential Health Effects:

Skin: It may cause skin irritation.

Eyes: Contact may cause eye irritation. Contact may also cause conjunctivitis. Vapors may be irritating to the eyes.

Inhalation: This product may cause upper respiratory tract irritation. Excessive inhalation of this products vapors, which contains mineral spirits may affect behavior/central nervous system and cause dizziness, drowsiness, somnolence, convulsions, tremors, lightheadedness, passing-out, impairment of short term memory, loss of coordination and judgment, personality changes (withdrawal, irritability), fatigue, sleep disturbances, headache, giddiness, stupor, unconsciousness, followed by coma. It can also affect the nerves supplying internal organs (automatic nerves) and/or peripheral nerves to the legs and arms (weakness, "pins and needles"). It can also cause nausea and vomiting, chest pain, difficulty breathing. It may also affect the liver and kidneys.

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Ingestion: Slightly toxic. Ingestion of copper salts may produce vomiting, metallic taste, headache, cold sweats, shock, jaundice, swollen liver, kidney damage, CNS depression, and death from CNS depression, or delayed death from kidney or liver failure. Whether such serious side effects occur following copper naphthenate ingestion is unknown.

Chronic Potential Health Effects:

Ingestion: Prolonged or repeated ingestion may cause anemia.

Skin: Prolonged or repeated skin contact may cause drying or cracking of the skin (defatting), dermatitis, irritation, skin ulcers or pruritic eczema.

Inhalation: Repeated or prolonged inhalation can affect behavior/central nervous system with symptoms to that of acute inhalation. It may also cause kidney damage and affect the blood (normocytic anemia).

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: This product is toxic to aquatic invertebrates, shrimps, and oysters/clams. Avoid contamination to water bodies. Pesticides wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

SECTION 13 – DISPOSAL CONSIDERATIONS

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Water is not effective for removing residues of this product and will create a rinsate that needs to be disposed of. Use of mineral spirits for triple rinsing the container is effective and will allow the rinsate to be used as part of the application mixture. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with mineral spirits and recap. Shake for 10 seconds. Pour the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after pour begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local ordinances, by burning. If burned, stay out of smoke.

SECTION 14 – TRANSPORT INFORMATION

DOT – United States – Department of Transportation
Ground transportation only.

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SECTION 15 – REGULATORY INFORMATION

Sara Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS-No.
Copper Naphthenate	1338-02-9

SECTION 16 – OTHER INFORMATION

Preparation Date : November 1, 2013
Last Known Revision Date: April 20, 2015

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.