

Material Safety Data Sheet

Section 1 General Information

Manufacturer:

Zinsser Co., Inc.
173 Belmont Drive
Somerset, NJ 08875
(732) 469-8100

HMIS Rating

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0

Emergency Telephone: Chemtrec (800) 424-9300

Date: 4/16/02

Product Name: WOODLIFE® COPPERCOAT™

Product Code: 01901 01902 01904

EPA Registration #: 1022-518-71240

Section 2 Hazardous Ingredients

<u>Hazardous Component</u>	<u>CAS#</u>	<u>Wt. %</u>	OSHA <u>PEL</u>	ACGIH <u>TLV</u>
Monoethanolamine	141-43-5	1-10	3.0 ppm	3.0 ppm
Copper Naphthenate	1338-02-9	9.08	1.0 mg/m ³	1.0 mg/m ³

Section 3 Hazard Identification

Emergency Overview: This material is a US EPA registered pesticide. It is a green colored liquid with a slight amine odor. It has a flash point of greater than 200° F and is miscible in water.

Primary Routes of Exposure:

Inhalation
Eye Contact
Skin Contact

Potential Acute Health Effects:

Eye: Contact may cause irreversible eye damage. May cause corneal damage including iridal and conjunctival effects.

Skin: Contact may cause skin irritation or rash on prolonged or repeated contact. This product may elicit a sensitizing response.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Ingestion: This material may be harmful or fatal if swallowed. If ingested this product may gastrointestinal irritation, nausea, and diarrhea. Can be corrosive to the digestive tract and cause damage to the mouth, throat, esophagus, and stomach tissue.

Inhalation: Vapor may be harmful if inhaled. May cause respiratory tract irritation.

Medical conditions generally aggravated by exposure: None known.

Potential Chronic Health Effects: None known.

(See also Sections 4, 8, and 11 for related information)

Section 4 First Aid Measures

Eye contact: Immediately flush eyes with water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention IMMEDIATELY.

Skin contact: Wash thoroughly with plenty of water. Remove contaminated clothing and footwear. Wash clothing and decontaminate footwear before reuse. Seek medical attention if irritation persists.

Ingestion: NEVER induce vomiting or give anything by mouth to an unconscious person. Promptly drink large quantities of milk, egg white, gelatin solution, or if none of these are available, water. Avoid alcohol. DO NOT induce vomiting. If vomiting occurs spontaneously, give liquids again and keep airway clear. Get medical attention IMMEDIATELY.

Inhalation: Persons administering first aid to overexposure victims should carefully wash off any visible product from the victim's face. Do not give anything by mouth to an unconscious person. Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, administer oxygen. Seek medical attention.

Note to Physician: Probable mucosal damage may inhibit the use of gastric lavage.

Section 5 Fire Fighting Measures

Flash Point (method): >200° F (TCC)

Flammable Limits in Air: Lower (LEL): N/A
Upper (UEL): N/A

Extinguishing Media: Foam, carbon dioxide, water spray, or dry chemical.

Unusual Fire and Explosion Hazards: None known.

Special Firefighting Precautions: Wear full protective equipment, including NIOSH approved self-contained breathing apparatus. Cool exposed containers with water.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Prevent runoff from contaminating adjacent area or lakes, streams, and other bodies of water.

Section 6 Accidental Release Measures

Small Spill Clean Up Methods: Wear appropriate protective clothing and equipment. Stop leak if you can do so without risk of injury. Keep spill out of sewer and open bodies of water. Avoid runoff into storm sewers and ditches that lead to waterways. Dike and contain with inert material (sand, earth, etc.) and transfer to properly labeled containers for recovery or disposal.

Large Spill Clean Up Methods: Wear appropriate protective clothing and equipment. Restrict access to contaminated area. Keep unnecessary people away. Stop leak if you can do so without risk of injury. Dike to prevent spreading. Keep spill out of sewer and open bodies of water. Avoid runoff into storm sewers and ditches that lead to waterways. Pump liquid to recovery vessel. Absorb remaining material with sand, clay, or other absorbent material and transfer to properly labeled containers for recovery or disposal.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

Section 7 Handling and Storage

Handling and Storage Precautions: Store away from food or feed in secure, well-ventilated area protected from extreme temperatures. Do not transfer to unmarked container. Keep container closed when not in use. Observe good personal hygiene practices. Change protective gloves and clothing when signs of contamination appear. Keep out of reach of children.

Other Precautions: Do not take internally. Application of this product may produce strong, lingering, unpleasant odor. Use in well-ventilated area. Provide fresh air to reduce chemical odors during use and while drying. Do not allow to freeze. Keep containers tightly closed and upright when not in use. Protect against physical damage. Avoid breathing vapors and aerosols. Use only with adequate ventilation. Do not eat, drink or smoke in areas of use or storage.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Provide sufficient mechanical ventilation (local exhaust or general room dilution) to maintain exposure levels below occupational exposure levels. Indoor work areas should be isolated and provided with sufficient local exhaust ventilation.

Personal Protective Equipment (PPE):

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Eye Protection: Use chemical splash goggles or safety glasses with side shields and full-face shield to prevent eye contact.

Skin Protection: Wear impervious gloves made of nitrile rubber, PVA, PVC, or NBR (Buna-N). Special precautions should be taken to ensure material can not get inside gloves. Long sleeved shirts, long pants are recommended to prevent skin contact.

Respiratory Protection: None normally required under anticipated use conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister should be used in circumstances where airborne concentrations are expected to exceed exposure limits.

Other Protective Equipment: Wear Impervious apron and rubber boots to prevent skin contact. Safety showers and eyewash stations should be provided in areas where this material is stored or handled. Persons exposed routinely to this material should shower prior to leaving work each day. Work clothing should be changed daily.

General Hygiene Practices: Remove contaminated clothing and wash before reusing. Do not eat, drink, or smoke while handling to avoid accidental ingestion of this material.

Section 9 Physical Data

Appearance: Green colored liquid.	Odor: faint amine odor.
Physical State: Liquid	pH: 10.1 – 10.9
Boiling Range: 220° F – 230° F	Evaporation Rate: Less than butyl acetate.
Vapor Pressure: <24 mm Hg	Vapor Density: Heavier than air.
Density (Lbs/Gal @ 20° C): 8.65 – 8.95	Viscosity: N/D
Solubility in Water: Miscible	Specific Gravity (water = 1): 1.04 – 1.07

Section 10 Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Material is not known to polymerize.

Hazardous Decomposition Products: Oxides of Carbon and Nitrogen.

Incompatibility: Acids, strong oxidizers.

Section 11 Toxicological Information

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Carcinogenicity: The components of this material are not considered carcinogenic by IARC or NTP nor does OSHA regulate them as carcinogens.

Eyes: Animal (Rabbit) studies indicate this material is extremely irritating to the eyes.

Dermal: Animal studies on indicate the Rabbit LD50 = 1,113 mg/kg.

Ingestion: Animal studies indicate the Rat LD50 = 1,240 mg/kg.

(See also Section 15 for related information)

Section 12 Ecological Information

Chemical Fate and Effects: This product is hazardous to fish and aquatic organisms. DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other bodies of water. DO NOT discharge effluent containing this product to sewer systems without prior approval. DO NOT contaminate public waters or water supplies when disposing of equipment wash waters.

Section 13 Disposal Considerations

RCRA Hazardous Waste: This material, when discarded or disposed of, could be a hazardous waste according to federal regulations (40 CFR 261) due to the characteristic of ignitability (D001). The transportation, storage, treatment, and disposal of this waste must be conducted in compliance with 40 CFR 262, 263, 264, 268, and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.

Section 14 Transportation Information

Regulated by the US DOT: No. This product is considered Non Hazardous by DOT.

Freight Classification: Wood Preservative, N.O.I., Liquid

Section 15 Regulatory Information

CERCLA:

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
None	N/A	N/A

SARA Title III, section 311/312:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>CAS#</u>	<u>Maximum Concentration (Wt. %)</u>
None	N/A	N/A

SARA Title III, section 313:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

<u>Chemical Name</u>	<u>Class</u>	<u>Maximum Concentration (Wt. %)</u>
None	N/A	N/A

TSCA: All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory

This product contains the following chemicals which require export notification under section 12(b) of the TSCA regulation:

<u>Chemical Name</u>	<u>CAS#</u>	<u>TSCA Section</u>
None	N/A	N/A

Section 16 Other Information

Legend: N/A: Not Applicable N/D: Not Determined
N/E: Not Established N/R: Not Required
STEL: Short Term Exposure Limit C: OSHA Ceiling Value
cps: Centipoise **mg/m³:** milligrams per cubic meter
mppcf: million particles per cubic foot of air. **PPM:** Parts Per Million
PPB: Parts Per Billion **PEL:** Permissible Exposure Limit
TLV: Threshold Limit Value **TWA:** Time Weighted Average
ACGIH: American Conference of Governmental Industrial Hygienists
CPSC: Consumer Product Safety Commission
FHSA: Federal Hazardous Substance Act
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendment and Reauthorization Act
Skin: This substance has the potential to be absorbed systemically through the skin.

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TSCA: Toxic Substance Control Act

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