

Material Safety Data

Product Name: WOODguard

Product Code:	8102	Date of Last Revision:	07/12/99
MSDS Number:	1514	EPA Registration Number:	1022-514-71581

I. Physical and Chemical Characteristics

APPEARANCE AND ODOR: Dark green liquid with slight petroleum distillate odor.

Boiling Point (INITIAL) (F/C)	300/150	Density (Lbs/Gal) (Water @20C=8.33)	7.45
Vapor Pressure (mm Hg)	<1	Evaporation Rate (nBuAC=1)	<1
Vapor Density (Air-1)	>1	Specific Gravity	0.89
pH RANGE	2.80 - 3.80	Solubility in Water	Negligible

II. Hazardous Ingredients

COMMON NAME	CHEMICAL NAME	C.A.S.#	%	OSHA PEL	ACGIH TLV
Petroleum Oil	Refined Lt Paraffinic Distillate		75-85	5.0 mg/CuM	5.0 mg/CuM
Solvent	Proprietary		10-20	N/A	N/A
Copper-8-Quinolinolate	8-Quinolinol, Copper (II) Chelate*	10380-28-6	0.675	1.0 mg/CuM	1.0 mg/CuM

Section 313 of the Emergency Planning and Community Right To Know Act of 1986 (40 CFR 372) requires that certain toxic chemicals be identified. Any such chemicals contained in this product are listed in Section II and are identified by an asterisk (*). OSHA's Hazard Communication (Standard 29CFR 1910.1200) requires hazardous chemicals to be listed and the MSDS to identify the hazards associated with the product. This information must be in all MSDS's that are

copied and distributed for this product.

HMIS HAZARD RATINGS

Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Special Hazard: ---
(Based on the revised National Paint & Coatings Association HMIS Rating System) (1984)

III. Health Hazard Data

EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible.

INGESTION: DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious person.

INHALATION: Remove victim to fresh air. 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. If not breathing, give artificial respiration, preferably mouth- to-mouth. If breathing is difficult, administer oxygen. Get medical attention IMMEDIATELY.

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

NOTE TO PHYSICIAN: Aspiration of material into lungs due to vomiting may cause chemical pneumonitis. Depending on the amount ingested and the toxicity of the product, gastric lavage should be considered, taking care to avoid aspiration and possible mucosal damage during intubation.

Primary Routes Of Entry: Inhalation Eyes Skin Ingestion

TOXICOLOGY DATA AND EFFECTS OF OVEREXPOSURE

EYES: Can cause severe irritation, redness, tearing, blurred vision. Can cause irreversible damage on prolonged contact.

INGESTION: Acute Toxicity (Rat): LD50 Greater than 500 and less than 5,000 mg/kg. This toxicity data is based on studies conducted on primary raw materials. Can cause Central Nervous System (CNS) depression. Can cause

gastrointestinal irritation, nausea, vomiting, and diarrhea.

INHALATION: Acute Toxicity (Rat): LC50 Greater than 0.20 and less than 2.1 mg/L. This toxicity data is based on studies conducted on primary raw materials. Can cause Central Nervous System (CNS) depression. Can cause nasal and respiratory irritation, dizziness, nausea, vomiting, headache, and weakness.

SKIN: Acute Toxicity (Rabbit): LD50 Greater than 2,000 and less than 20,000 mg/kg. This toxicity data is based on studies conducted on primary raw materials. Prolonged or repeated contact may result in itching, defatting, and dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY: None.

IV. Fire and Explosion Hazard Data

FLASH POINT (Degrees F, Method)	205 COC
FLAMMABLE LIMITS IN AIR (LEL/UEL, & By Volume)	Non-combustible. Limits Not Applicable
EXTINGUISHER MEDIA	Foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES	Wear MSHA/NIOSH-approved, self-contained breathing apparatus and full protective clothing. Cool exposed containers with water
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None Known.

V. Reactivity Data

STABILITY	Stable
INCOMPATIBILITY	Strong Oxidants agents
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of Carbon
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION	Material is not known to polymerize

ENVIRONMENTAL HAZARDS AND PROCEDURES

HAZARDS: This product is toxic to fish. DO NOT apply directly to water, to areas

where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: Wear appropriate protective clothing (see Section 7). Recover free liquid. Absorb remainder with sand or clay and place in a waste receptacle.

LARGE SPILL: Wear appropriate protective clothing (see Section 7). Eliminate all ignition sources. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Pump liquid to a recovery vessel. Absorb remainder of material with sand or clay and place in a properly labeled waste receptacle. Follow all local, state, and federal regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes, or other bodies of water.

CONTAINER DISPOSAL: Do not reuse container. Rinse container thoroughly, securely wrap container in several layers of newspaper and discard in trash. If the container cannot be disposed of according to label instructions, consult federal, state or local disposal authorities for alternate procedures.

VII. Special Protection Equipment

VENTILATION REQUIREMENTS: Ventilate via mechanical methods (general or local exhaust) to maintain exposure below TLV(s), if applicable. Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

RESPIRATORY: None normally required if good ventilation is maintained. If mist is generated during application process, use a disposable mist respirator.

EYE: Wear chemical splash goggles and/or face shield during mixing and when exposed to mist.

GLOVES: Wear rubber gloves when handling, using, or applying this product. Special precautions should be taken to ensure that material cannot get inside gloves.

OTHER PROTECTIVE EQUIPMENT: None normally required. Use as necessary to prevent exposure. Safety showers and eyewash stations should be provided in all areas in which this product is stored and/or handled. Persons exposed routinely to this material should shower prior to leaving work each day. Work clothing should be changed daily.

VIII. Other Special Precautions

HANDLING AND STORAGE PRECAUTIONS: Store away from food or feed in a secure, well ventilated area protected from extreme temperatures. Do not transfer to an unmarked container. Keep container closed when not in use. Do not store or use in vicinity of sparks, open flame, or other ignition sources. Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear. Keep out of reach of children.

OTHER PRECAUTIONS: None.

ADDITIONAL INFORMATION

No additional information.

OSHA's Hazard Communication Standard, 29 CFR 1910, 1200 requires that a MSDS be kept on file and distributed to employees and/or customers. If this product is used at other locations, it is your responsibility to promptly distribute this information to that location. Additional copies of the Material Data Safety Sheets are available upon request.

X. Shipping Information

FREIGHT CLASSIFICATION: PRESERVATIVES, WOOD, N.O.I., LIQUID-NMFC 161490

This product is classified for transportation purposes as follows:

	YES	NO
IATA(Air)		X
IMO(Water)		X
DOT(Land)		X

Disclaimer Statement

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss of damage from use

or handling of this product which results from conditions beyond the control of seller, including, but no limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, moisture conditions or other environmental conditions, and those conditions which are outside of the ranges that are generally recognized as being conducive to good industrial practice.

WOODguard is a registered trademark of IBC Manufacturing, Inc.