

**MATERIAL SAFETY
DATA SHEET**

Emergency Contact Information:

PRODUCT NAME: **Wolmanized® L3 Outdoor® Wood**

1. PRODUCT AND COMPANY IDENTIFICATION

Manufactured by:	REVISION DATE:	04/10/2007
	SUPERCEDES:	
	MSDS Number:	000000002628
	SYNONYMS:	Wolman® AG Treated Wood
	CHEMICAL FAMILY:	
	DESCRIPTION / USE:	Treated Wood Products
	FORMULA:	None established

2. HAZARDS IDENTIFICATION

OSHA Hazard Classification:	Wood dust is classified as: carcinogenic, possible sensitizer, mild skin irritant, possible respiratory irritant.
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Routes of Entry:	Inhalation, skin, eyes, ingestion
Chemical Interactions:	No known or reported interactions.
Medical Conditions Aggravated:	Inhalation of the dust from this material at concentrations above the TLV can aggravate pre-existing upper respiratory and lung diseases such as bronchitis, emphysema and asthma., Skin diseases including eczema and sensitization

Human Threshold Response Data

Odor Threshold	Not established for product.
Irritation Threshold	Not established for product.

Hazardous Materials Identification System / National Fire Protection Association Classifications

<u>Hazard Ratings :</u>	<u>Health</u>	<u>Flammability</u>	<u>Physical / Instability</u>	<u>PPI / Special hazard.</u>
HMIS	3*	1	0	
NFPA	Not established			

Immediate (Acute) Health Effects

Inhalation Toxicity:	Airborne treated or untreated wood dust may cause nose, throat or lung irritation.
Skin Toxicity:	Handling of wood may result in skin exposure to splinters. Prolonged and/or repeated contact with treated or untreated wood dust may result in mild irritation.
Eye Toxicity:	Treated or untreated wood dust may cause mechanical irritation.

Ingestion Toxicity: Not expected to be a route of exposure in normal industrial use.
 Acute Target Organ Toxicity: Skin, Eyes, Respiratory Tract

Prolonged (Chronic) Health Effects

Carcinogenicity: IARC has classified untreated hardwood and hardwood/softwood mix wood dust as a Group 1 human carcinogen. The wood dust classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with occupational exposures to untreated wood dust. NTP has classified all untreated wood dust as a carcinogen.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

Inhalation: May cause respiratory sensitization and/or irritation.

Skin Contact: Treated or untreated wood dust, depending on the species, may cause dermatitis on prolonged, repetitive contact.

Ingestion: Not expected to be a route of exposure in normal industrial use.

Sensitization: Various species of untreated wood dust can elicit an allergic respiratory response in sensitized persons. Various species of untreated wood dust can elicit an allergic type skin irritation in sensitized persons.

Chronic Target Organ Toxicity: Respiratory Tract, Skin, Eyes

Supplemental Health Hazard Information : No additional health information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>CAS OR CHEMICAL NAME</u>	<u>CAS #</u>	<u>% RANGE</u>
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	
PEG-40 Castor Oil	61791-12-6	
Propiconazole	60207-90-1	
TEBUCONAZOLE	107534-96-3	
Imidacloprid	138261-41-3	
Wood Dust	Not Assigned	>= 98 -
Formaldehyde	50-00-0 (Only applies to plywood products)	0 - 0.1

4. FIRST AID MEASURES

Inhalation:	IF INHALED: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. If not breathing, give artificial respiration. Call for medical assistance.
Skin Contact:	IF ON SKIN: Flush skin with water for 15 minutes. Take off all contaminated clothing. Seek medical attention if irritation develops.
Eye Contact:	IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.
Ingestion:	IF SWALLOWED: Immediately drink water to dilute. Seek medical attention if symptoms develop. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammability Summary (OSHA):	Product is not known to be flammable, combustible, pyrophoric or explosive.
<u>Flammable Properties</u>	
Flash Point:	No data.
Autoignition Temperature:	No data.
Fire / Explosion Hazards:	Combustible solid If the product is involved in a fire, toxic smokes could develop. Dust may be ignitable if mixed with air in the presence of an ignition source.
Extinguishing Media:	Water spray
Fire Fighting Instructions:	In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.
Hazardous Combustion Products:	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Upper Flammable / Explosive Limit, % in air:	No data.
Lower Flammable / Explosive Limit, % in air:	No data.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations:	Additional protective clothing must be worn to prevent personal contact with this material. Those items include but are not limited to boots, impervious gloves, hard hat, splash-proof goggles, impervious clothing, i.e., chemically impermeable suit, self-contained breathing apparatus.
<u>Spill Mitigation Procedures</u>	
Air Release:	Not applicable
Water Release:	Notify all downstream users of possible contamination.
Land Release:	Contain all solids for treatment or disposal.
Additional Spill Information :	Remove all sources of ignition. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

7. HANDLING AND STORAGE

Handling: DO NOT BURN TREATED WOOD. Do not use pressure treated chips or sawdust as mulch. Whenever possible, sawing or machining treated or untreated wood should be performed outdoors to avoid accumulations of airborne wood dust. Wash hands thoroughly before eating, drinking, using tobacco products, and/or using restrooms.

Storage: Keep away from unguarded flame, sparks, and heat sources. Protect from physical damage. Maintain good housekeeping.

Incompatible Materials for Storage: strong acids oxidizers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Whenever possible, sawing or machining treated or untreated wood should be performed outdoors or in well ventilated areas to avoid accumulations of airborne wood dust. Ventilation should be sufficient to maintain exposures below the recommended exposure limits.

Protective Equipment for Routine Use of Product

Respiratory Protection : When sawing or cutting treated or untreated wood, wear a NIOSH approved P95 or P100 Particulate filter respirator. FOR PLYWOOD PRODUCTS ONLY: If Formaldehyde vapor levels exceed the recommended exposure limits, wearing a NIOSH approved respirator is required.

Respirator Type : For plywood products only: A NIOSH approved full-face air purifying respirator with combination formaldehyde/organic vapor cartridge and a P100 filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin Protection : Wear leather gloves. Wear long sleeve shirt, pants, and steel-toed shoes when handling treated or untreated wood.

Eye Protection: Use safety glasses with side shields or chemical goggles when sawing or cutting treated or untreated wood.

Protective Clothing Type: Wear leather gloves.

Exposure Limit Data

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Name of Limit</u>	<u>Exposure</u>
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	ACGIH	100 ppm TWA
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	ACGIH	150 ppm STEL
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	ACGIH	Skin designation: Can be absorbed through the skin.
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	OSHA Z1	100 ppm PEL 600 mg/m3 PEL
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	OSHA Z1	Skin designation: Can be absorbed through the skin.
Propanol, (2, methoxy-methylethoxy-)	34590-94-8	NIOSH-IDLH	600 ppm

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Wood Dust		OSHA Z1	15.0 mg/m3 PEL Total dust.A state-run OSHA program may have more stringent limits for wood dust and/or PNOR.
Wood Dust		OSHA Z1	5.0 mg/m3 PEL Respirable fraction.A state-run OSHA program may have more stringent limits for wood dust and/or PNOR.
Wood Dust		ACGIH	1.0 mg/m3 TWA Inhalable fraction.(Western Red Cedar)
Wood Dust		ACGIH	1.0 mg/m3 TWA Inhalable fraction.(All other species)
Formaldehyde	50-00-0	ACGIH	0.3 ppm Ceiling(Only applies to plywood products.)
Formaldehyde	50-00-0	OSHA	Reference: (Only applies to plywood products.)
Formaldehyde	50-00-0	OSHA	0.75 ppm TWA(Only applies to plywood products.)
Formaldehyde	50-00-0	OSHA	2 ppm STEL(Only applies to plywood products.)
Formaldehyde	50-00-0	OSHA	0.5 ppm OSHA_ACT(Only applies to plywood products.)
Formaldehyde	50-00-0	NIOSH-IDLH	20 ppm (Only applies to plywood products.)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	solid
Form	solid
Color:	Varies depending on colorant used
Odor:	None
Molecular Weight:	None established
Specific Gravity :	Not applicable
pH :	Not applicable
Boiling Point:	Not applicable
Freezing Point:	Not applicable
Melting Point:	No data
Density:	solid
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Viscosity:	Not applicable
Fat Solubility:	No data
Solubility in Water:	No data.

Partition coefficient n-octanol/water:	No data
Evaporation Rate:	No data
Oxidizing:	None established
Volatiles, % by vol.:	No data
VOC Content	No data
HAP Content	No data

10. STABILITY AND REACTIVITY

Stability and Reactivity Summary:	Stable under normal conditions. Product will not undergo hazardous polymerization.
Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures., Contact with incompatible substances
Chemical Incompatibility:	strong acids, oxidizers
Hazardous Decomposition Products:	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Decomposition Temperature:	No data

11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Oral LD50 value:

Propanol, (2, methoxy-methylethoxy-)	LD50 = 5,300 mg/kg
PEG-40 Castor Oil	LD50 > 5,000 mg/kg Rat
Propiconazole	LD50 = 1,517 mg/kg Rat
TEBUCONAZOLE	LD50 = 1,700 mg/kg Rat Male
TEBUCONAZOLE	LD50 = 4,000 mg/kg Rat Female
Imidacloprid	LD50 = 450 mg/kg Rat

Dermal LD50 value:

Propanol, (2, methoxy-methylethoxy-)	LD50 > 2,000 mg/kg Rabbit
PEG-40 Castor Oil	LD50 Believed to be > 2,000 mg/kg Rabbit
Propiconazole	LD50 > 4,000 mg/kg Rat
TEBUCONAZOLE	LD50 > 5,000 mg/kg Rat
Imidacloprid	LD50 > 5,000 mg/kg Rabbit

Inhalation LC50 value:

Propanol, (2, methoxy-methylethoxy-)	Inhalation LC50 1 HOUR > 200 MG/L Rat
PEG-40 Castor Oil	Inhalation LC50 Believed to be > 2.0 MG/L Rat
Propiconazole	Inhalation LC50 4 HOUR > 5.27 MG/L Rat
TEBUCONAZOLE	Inhalation LC50 4 HOUR > 5 MG/L Rat
Imidacloprid	Inhalation LC50 4 HOUR > 5.3 MG/L Rat

Product Animal Toxicity

Oral LD50 value:	LD50 Believed to be > 5,000 mg/kg Rat
Dermal LD50 value:	LD50 Believed to be > 2,000 mg/kg Rabbit
Inhalation LC50 value:	No data

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Skin Irritation: Prolonged and/or repeated contact with treated or untreated wood dust may result in mild irritation.
 Eye Irritation: Treated or untreated wood dust may cause mechanical irritation.
 Skin Sensitization: Various species of untreated wood dust can elicit an allergic respiratory response in sensitized persons., Various species of untreated wood dust can elicit an allergic type skin irritation in sensitized persons.
 Subchronic / Chronic Toxicity: May cause respiratory sensitization and/or irritation., Treated or untreated wood dust, depending on the species, may cause dermatitis on prolonged, repetitive contact.

PEG-40 Castor Oil There are no known or reported effects from chronic exposure.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

PEG-40 Castor Oil This material has been tested in laboratory animals and no evidence of teratogenicity or embryotoxicity was seen.

Propiconazole This chemical has been tested in laboratory animals and there was no evidence of reproductive toxicity, teratogenicity, or developmental toxicity.

Mutagenicity: Not known or reported to be mutagenic.

Propanol, (2,methoxy-methylethoxy-) Not known or reported to be mutagenic.
 PEG-40 Castor Oil This material was non-mutagenic in the Ames test.
 Propiconazole This chemical has been tested in a battery of mutagenicity/genotoxicity assays and the results were negative.

Carcinogenicity: IARC has classified untreated hardwood and hardwood/softwood mix wood dust as a Group 1 human carcinogen. The wood dust classification is based primarily on IARC's evaluation of increased risk in the occurrence of adenocarcinomas of the nasal cavities and paranasal sinuses associated with occupational exposures to untreated wood dust. NTP has classified all untreated wood dust as a carcinogen.

Propanol, (2,methoxy-methylethoxy-) This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

PEG-40 Castor Oil This material did not cause cancer in long-term animal studies.

Propiconazole This material has been classified by the U.S. EPA as a "Group C" Carcinogen (Suggestive Human Carcinogen), based on the observation of tumors in mouse livers. The relevance of tumors in the mouse liver has been questioned when assessing the risk to humans.

TEBUCONAZOLE This material has been classified by the U.S. EPA as a "Group C" Carcinogen (Suggestive Human Carcinogen), based on the observation of tumors in mouse livers. The relevance of tumors in the mouse liver has been questioned when assessing the risk to humans.

12. ECOLOGICAL INFORMATION

Overview: No data for product. Individual constituents are as follows:

Ecological Toxicity Values for: **Propanol, (2, methoxy-methylethoxy-)**

Fathead minnow (Pimephales promelas), - 96 HOUR LC50 > 10,000 mg/l
Daphnia magna, - 48 HOUR EC50 1,919 mg/l

Ecological Toxicity Values for: **Propiconazole**

Carp, - 96 HOUR LC50 6.8 mg/l
Rainbow trout (Salmo gairdneri), - 96 HOUR LC50 5.3 mg/l
Crayfish - 96 HOUR LC50= 42 mg/l
Daphnia magna, - 48 HOUR EC50= 4.8 - 11.5 mg/l

Ecological Toxicity Values for: **Imidacloprid**

Carp, - 96 HOUR LC50 = 280 mg/l
Rainbow trout (Salmo gairdneri), - 96 HOUR LC50 = 211 mg/l
Daphnia magna, - 48 HOUR EC50= 85 mg/l

13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary : If this product becomes a waste, it will be a nonhazardous waste according to U.S. RCRA regulations. Dispose of in accordance with all Local, State, Federal, and Provincial Environmental Regulations.

Disposal Methods : Dispose of in a permitted industrial waste landfill following Federal, State Local, or Provincial regulations.

Potential US EPA Waste Codes : Not applicable

14. TRANSPORT INFORMATION

Land (US DOT): NOT REGULATED AS A DOT HAZARDOUS MATERIAL
Water (IMDG): NOT REGULATED AS A HAZARDOUS MATERIAL,

Flash Point: No data.

Air (IATA): NOT REGULATED AS A HAZARDOUS MATERIAL,
Emergency Response Guide Number: Not applicable

15. REGULATORY INFORMATION

UNITED STATES:

Toxic Substances Control Act (TSCA): This item is exempt from TSCA and FIFRA under the treated article exemption per 40 CFR 152.25(a).
 EPA Pesticide Registration Number: None established
 FIFRA Listing of Pesticide Chemicals (40 CFR 180): Not registered in the US under FIFRA.

Superfund Amendments and Reauthorization Act (SARA) Title III:

Hazard Categories Sections 311 / 312 (40 CFR 370.2):
 Health Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
 Physical None

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:

SARA III Threshold Planning Quantity: None established

Reportable Quantity (49 CFR 172.101, Appendix):

CERCLA None established
 SARA III Reportable quantity: None established

Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components

SARA III De minimis concentration: There are no components of this product present above de minimis concentrations.

Clean Air Act Toxic ARP Section 112r:

CAA 112R None established

Clean Air Act Socmi:

HON SOC None established

Clean Air Act VOC Section 111:

CAA 111 None established

Clean Air Act Haz. Air Pollutants Section 112:

CAA None established

CAA 112I None established

CAA AP None established

**State Right-to-Know Regulations Status of Ingredients
Pennsylvania:**

CAS #	COMPONENT NAME
34590-94-8	Propanol, (2, methoxy-methylethoxy-)

PENN RTK

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

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PENN RTK
08 1989
PROPANOL, (2-METHOXYMETHYLETHOXY)-

New Jersey:

CAS #	COMPONENT NAME
60207-90-1	Propiconazole

NJ RTK

US. New Jersey Community Right-To-Know Survey, Table A: NJ Environmental Hazardous Substances [EHS] List (N.J. Admin. Code Title 7 Section 1G-2.1)

NJ RTK

2001

Substance no. 3442

PROPICONAZOLE (1-[2-(2,4-DICHLOROPHENYL)-4-PROPYL-1,3-DIOXOLAN-2-YL]-METHYL-1H-1,2,4-TRIAZOLE)

Massachusetts:

CAS #	COMPONENT NAME
34590-94-8	Propanol, (2, methoxy-methylethoxy-)

MASS RTK

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

MASS RTK

04 1993

DIPROPYLENE GLYCOL METHYL ETHER

California Proposition 65:

CAS #	COMPONENT NAME
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US CA CRT None established

US CA65CRT None established

WHMIS Hazard Classification:

16. OTHER INFORMATION

MSDS REVISION STATUS : Revised to meet the ANSI standard of 16 sections
Major References : Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. THE MANUFACTURER BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS.