

Safety Data Sheet

Ecolife® EL2 Pressure Treated Wood

SDS ID: VIA-235

*** Section 1 - IDENTIFICATION***

Product Identifier:

Ecolife® EL2 Fungicide treated wood

Recommended Use

Lumber

Restrictions on Use

None known

Manufacturer Information

Check for the nearest Ecolife® wood treater at <https://www.treatedwood.com/where-to-buy>.

General Comments

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - HAZARD(S) IDENTIFICATION***

Classification in accordance with 29 CFR 1910.1200.

Carcinogen, Category 2

Eye Damage / Irritation, Category 2B

Skin sensitizer, Category 1B

Respiratory Sensitizer, Category 1B

Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory system)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

WARNING

Hazard Statement(s)

Suspected of causing cancer

Causes eye irritation

May cause an allergic skin reaction

May cause respiratory irritation

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May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statement(s)

Prevention

Do not breathe dust. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment

Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Store locked up.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

Combustible solid. Dust may form explosive mixtures with air. Wood dust is a potential health problem when wood particles from processes such as sanding, drilling, machining, and cutting become airborne. Inhalation of these particles may cause allergic respiratory symptoms, mucosal and non-allergic respiratory symptoms, and cancer.

*** Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS ***

CAS #	Component	Percent
Not Available	Wood/Wood dust	60-100
64359-81-5	4,5-Dichloro-2-N-octyl-4-isothiazolin-3-one	<0.075

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Wood dust, all soft and hard woods, Wood dusts-soft woods, Wood dusts-hard wood.

Component Information/Information on Non-Hazardous Components.

This product is considered hazardous under the criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

*** Section 4 - FIRST-AID MEASURES ***

Inhalation

IF INHALED: If dusts are inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, have trained personnel give oxygen to the victim; Seek medical attention.

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Skin Contact

If wood splinters are injected under the skin, get medical attention immediately. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice/attention.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most Important Symptoms/Effects

Acute

Eye irritation, allergic skin reaction,

Delayed

Respiratory ailments.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Respiratory ailments and pre-existing skin conditions may be aggravated by exposure to wood dust.

* * * Section 5 - FIRE-FIGHTING MEASURES * * *

Suitable Extinguishing Media

Use regular dry chemical, carbon dioxide, water spray, or regular foam Use water to wet down wood and to reduce the likelihood of ignition or dispersion of dust into the air.

Large fires: water spray or fog, alcohol-resistant foam

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Specific Hazards Arising from the Chemical

Combustible solid. Dust may form explosive mixtures with air.

Hazardous Decomposition Products

Combustion: aldehydes, carbon monoxide, carbon dioxide, and organic acids.

Special Protective Equipment and Precautions for Firefighters

Wood is combustible and dusts may form explosive mixtures with air in the presence of an ignition source. Wear full protective fire-fighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures

Move container from fire area if it can be done without risk. Dike for later disposal. Cool containers with water spray until well after the fire is out. Withdraw immediately in case of rising sound from venting safety device. Keep unnecessary people away, isolate hazard area and deny entry. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe



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*** Section 6 - ACCIDENTAL RELEASE MEASURES***

Personal Precautions, Protective Equipment and Emergency Procedures

No containment procedures are needed, as this product cannot spill or leak the preservative. Keep away from sparks and flame.

Methods and Materials for Containment and Cleaning Up

Wear appropriate protective equipment and clothing during clean-up. Wet down accumulated dusts prior to sweeping or vacuuming in order to prevent explosion hazards. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Gather larger pieces by an appropriate method. Avoid the generation of airborne dusts during clean-up. Do not inhale dusts during cleanup.

*** Section 7 - HANDLING AND STORAGE***

Precautions for Safe Handling

Do not generate airborne dusts in the presence of an ignition source when sawing, cutting or grinding wood. Wash hands after handling and before eating. Avoid contact of wood dusts with skin and eyes. Do not breathe wood dusts. Do not eat, drink or smoke when handling this material or in areas where dusts of this product are present. When handling treated wood, wear washable or disposable coveralls or long-sleeved shirt and long pants, chemical resistant gloves, and socks plus industrial grade safety boots with chemical resistant soles. Contaminated clothing should be removed and laundered before reuse.

Conditions for Safe Storage, including any Incompatibilities

Maintain good housekeeping procedures, such as sweeping regularly to avoid accumulation of dusts. Store product in a dry area away from excessive heat, sparks and open flame. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

*** Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION***

Component Exposure Limits

Wood/Wood dust (Not Available)

OSHA (Vacated):	5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
	10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
NIOSH:	1 mg/m3 TWA (related to Wood dust, all soft and hard woods)
Alberta:	5 mg/m3 TWA (total) (related to Wood dust, all soft and hard woods)
New Brunswick:	5 mg/m3 TWA (related to Wood dusts-soft woods)
	10 mg/m3 STEL (related to Wood dusts-soft woods)
NW Territories:	5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
	10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
Nunavut:	5 mg/m3 TWA (related to Wood dust, all soft and hard woods)
	10 mg/m3 STEL (related to Wood dust, all soft and hard woods)
Ontario:	5 mg/m3 TWAEV (related to Wood dusts-soft woods)
	10 mg/m3 STEV (related to Wood dusts-soft woods)
Quebec:	5 mg/m3 TWAEV (total dust, except red cedar, containing no asbestos and less than 1% crystalline silica) (related to Wood dust, all soft and hard woods)
Saskatchewan:	5 mg/m3 TWA (certain species) (related to Wood dusts-soft woods)
	10 mg/m3 STEL (related to Wood dusts-soft woods)

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Yukon: 5 mg/m³ TWA (non-allergenic); 2.5 mg/m³ TWA (allergenic, including cedar, mahogany, teak) (related to Wood dust, all soft and hard woods)
10 mg/m³ STEL (non-allergenic); 5 mg/m³ STEL (allergenic, including cedar, mahogany, teak) (related to Wood dust, all soft and hard woods)

Appropriate Engineering Controls

Use exhaust ventilation when cutting, grinding or sanding in enclosed areas and if it is anticipated the exposure limits for wood dust may be exceeded during working with this product. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust or process enclosure ventilation system. Ensure compliance with applicable exposure limits.

Personal Protective Equipment

Eyes/Face Protection

Wear safety glasses with side shields when handling, cutting, sanding or grinding this material. Use a face shield during processes that may generate excessive dusts and splinters. Provide an emergency eye wash fountain in the immediate work area.

Skin Protection

Wear puncture resistant work gloves, such as leather.

Respiratory Protection

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists, or dust, appropriate NIOSH respiratory protection must be provided. Respirators should be selected by and used under the direction of a trained health and safety professional following regulatory requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage must be implemented.

PPE Pictograms:



*** Section 9 - PHYSICAL AND CHEMICAL PROPERTIES ***

Appearance:	May vary	Odor:	Wood
Physical State:	Solid wood	pH:	Not applicable
Vapor Pressure:	Not available	Vapor Density:	Not applicable
Boiling Point:	Not applicable	Melting Point:	Not applicable
Solubility (H₂O):	Insoluble	Specific Gravity:	Not available
Flash Point:	Not applicable	Flash Point Method:	Not available
Auto Ignition:	Not available	LFL:	40 g/m ³ (Wood dust)
UFL:	Not available		

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*** Section 10 - STABILITY AND REACTIVITY***

Chemical Stability

This is a stable material.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Keep away from excessive heat, sparks and open flame. Keep away from incompatible materials.

Incompatible Materials

Strong oxidizing agents (peroxides, chlorine, strong acids) and drying oils.

Hazardous Decomposition

Hazardous decomposition products from combustion include irritating and toxic fumes and gases of carbon monoxide, carbon dioxide, aldehydes, and organic acids.

*** Section 11 - TOXICOLOGICAL INFORMATION***

Acute Toxicity

Wood dusts may be irritating to the eyes, skin and respiratory tract. Prolonged or repeated inhalation of wood dust may cause respiratory irritation, recurrent bronchitis and prolonged colds. Depending on the species of wood, recurrent exposure may cause allergic skin and respiratory reactions in some individuals.

Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Information on Likely Routes of Exposure

Inhalation

May cause respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin Contact

May be harmful in contact with skin. May cause an allergic skin reaction.

Eye Contact

Causes serious eye irritation.

Immediate Effects

Allergic skin reaction, respiratory system damage

Delayed Effects

Causes damage to organs through prolonged or repeated exposure.

Medical Conditions Aggravated by Exposure

Pre-existing eye, respiratory system and skin conditions.

Irritation/Corrosivity Data

Respiratory tract irritation, skin irritation, eye irritation

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Respiratory Sensitization

No data available.

Dermal Sensitization

May cause an allergic skin reaction.

Germ Cell Mutagenicity

No data available for the mixture.

Carcinogenicity

Component Carcinogenicity

Wood/Wood dust (Not Available)

ACGIH: A1 - Confirmed Human Carcinogen (related to Wood dusts-hard wood)

NIOSH: potential occupational carcinogen (related to Wood dust, all soft and hard woods)

NTP: Known Human Carcinogen (related to Wood dust, all soft and hard woods) (Select Carcinogen)

IARC: Monograph 62 [1995] (related to Wood dust, all soft and hard woods) (Group 1 (carcinogenic to humans))

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

May cause respiratory system irritation.

Specific Target Organ Toxicity - Repeated Exposure

No information available for the product.

Aspiration Hazard

Not expected to be an aspiration hazard.

* * * Section 12 - ECOLOGICAL INFORMATION * * *

Ecotoxicity

This product contains small amounts of fungicides, which when released into the environment, are expected to adversely affect or destroy contaminated plants. May be harmful or fatal to wildlife.

Component Analysis - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Persistence and Degradability

No information available for the product.

Bioaccumulation Potential

No information available for the product.

Mobility in Soil

No information available for the product.

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*** Section 13 - DISPOSAL CONSIDERATIONS***

Disposal Methods

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Disposal of Contaminated Packaging

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

*** Section 14 - TRANSPORT INFORMATION***

US DOT Information

Shipping Name: Not regulated as a hazardous material

Canada Transportation of Dangerous Goods Information

Shipping Name: Not regulated as a dangerous good

*** Section 15 - REGULATORY INFORMATION***

U.S. Federal Regulations

All components are on the U.S. EPA TSCA Inventory List. This product is pressure treated with small amounts of a FIFRA registered wood preservative which falls under Environmental Protection Agency regulations. Components not identified on this non-confidential inventory are exempt from listing (i.e. pesticides).

U.S. Federal Regulations

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: Acute Health Yes; Chronic Yes; Fire No; Pressure No; Reactive No

U.S. State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Wood/Wood dust (1related to Wood dust, all soft and hard woods) (2related to Wood dusts-soft woods)	Not Available	No	No	Yes 1	No	Yes 2	Yes 1

The following statement is provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! Drilling, sawing, sanding, or machining wood products generate wood dust and other substances known to the state of California to cause cancer.

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Other state regulations may apply. Check individual state requirements

Component Analysis - WHMIS IDL

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on SDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL. No components are listed in the WHMIS IDL

WHMIS Classification(s)

All components are on the Canadian Domestic Substances (DSL) or Non-Domestic Substances Inventory (NDSL) Lists, or are exempt from listing.

WHMIS Classification: D2A, D2B

Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	MITI	PHIL	KOREA	ELINCS	CHINA
4,5-Dichloro-2-N-octyl-4-isothiazolin-3-one	64359-81-5	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

* * * Section 16 - OTHER INFORMATION * * *

Date of Preparation

New MSDS: 09/09/2014 v.1.0; Update 02/06/2015 v.1.1

Key / Legend

ACGIH = American Conference of Governmental Industrial Hygienists; **AU** = Australia; **BOD** - Biochemical Oxygen Demand; **C** - Celsius; **CA** - Canada; **CAS** = Chemical Abstracts Service; **CERCLA** = Comprehensive Environmental Response, Compensation, and Liability Act; **CFR** = Code of Federal Regulations; **CN** = China; **CPR** = Controlled Products Regulations; **DOT** = Department of Transportation; **DSL** = Domestic Substances List; **EINECS** = European Inventory of Existing Commercial Chemical Substances; **ELINCS** = European List of Notified Chemical Substances; **EPA** = Environmental Protection Agency; **ERG** = Emergency Response Guide; **EU** = European Union; **F** - Fahrenheit; **HEPA** = High Efficiency Particulate Air; **HMIS** = Hazardous Material Information System; **HPV** – High Production Volume Chemical (EU); **IARC** = International Agency for Research on Cancer; **IATA** = International Air Transport Association; **ICL** – In Commerce List (Canada); **IDL** - Ingredient Disclosure List; **IDLH** - Immediately Dangerous to Life and Health; **JP** = Japan; **KR** = Korea; **LEL** - Lower Explosive Limit; **MITI** = Japan Ministry of International Trade and Industry; **mg/Kg** = milligrams per Kilogram; **mg/L** = milligrams per Liter; **mg/m³** = milligrams per Cubic Meter; **MSHA** = Mine Safety and Health Administration; **NA** = Not Applicable or Not Available; **NFPA** = National Fire Protection Association; **NIOSH** = National Institute for Occupational Safety and Health; **NJTSR** = New Jersey Trade Secret Registry; **NTP** = National Toxicology Program; **NZ** = New Zealand; **OSHA** = Occupational Safety and Health Administration; **PH** = Philippines; **RCRA** = Resource Conservation & Recovery Act; **SARA** = Superfund Amendments and Reauthorization Act; **STEL** = Short Term Exposure Limit; **TDG** = Transport Dangerous Goods; **TSCA** = Toxic Substances Control Act; **TWA** - Time Weighted Average; **UEL** - Upper Explosive Limit; **US** - United States; **WHMIS** = Workplace Hazardous Materials Information System.

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Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

End of Sheet VIA-241