

SAFETY DATA SHEET

Issue Date Mai-20-2022

Revision Date 18-Jan-2023

Version 1

1. IDENTIFICATION

Product identifier

Product Name

Wolmanized® Outdoor® Wood with Tanatone®

Other means of identification

Product Code 43973

Synonyms Copper Azole Treated Wood

Recommended use of the chemical and restrictions on use

Recommended Use Treated Wood.

Details of the supplier of the safety data sheet

Supplier Address	Manufacturer Address
Arch Wood Protection, Inc.	Envirofor Preservers (AB) Ltd.
3941 Bonsal Road	(A Division of Taiga Building Products)
Conley, GA 30288	10120 17 Street Edmonton, AB
	T6P 1V8

Emergency telephone number

Company Phone Number

Emergency Telephone

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 3
Serious eye damage/eye irritation	Category 2B
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (single exposure)	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Causes eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause cancer
May cause respiratory irritation

The product contains no substances which at their given concentration, are considered to be hazardous to health

Physical state Solid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace.
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
Specific treatment (see First Aid on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Causes mild skin irritation

Unknown acute toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Synonyms

Copper Azole Treated Wood.

Chemical name	CAS No	Weight-%	Trade Secret
Wood and Wood Dust	NOT ASSIGNED	60 - 100	
Water	7732-18-5	1 - 5	
Copper Ethanolamine Complex	14215-52-2	0.1 - 1	
Brown HM 2763	---	0 - 10	*
Sodium benzoate	532-32-1	0 - 10	*
[2-[[4-[(2-chloro-4-nitrophenyl)azo]ethylamino]ethyl](2-hydroxypropyl)deimethylammonium acetate	82205-20-7	<0.1	
Trade Secret	Proprietary	<0.1	*
Hydrochloric acid	7647-01-0	<0.1	
Acetic acid	64-19-7	<0.1	*
ε-caprolactam	105-60-2	<0.1	
Un-named impurity	9999-99-9	<0.1	*
1,2-Benzisothiazolin-3-one	2634-33-5	<0.1	
Glutaral	111-30-8	<0.1	
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	55965-84-9	<0.1	
Zinc	7440-66-6	<0.1	

4. FIRST AID MEASURES

Description of first aid measures

General advice

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. (Get medical attention immediately if irritation persists.). Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact

Wash off immediately with soap and plenty of water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Inhalation

May cause allergic respiratory reaction. If breathing is irregular or stopped, administer artificial respiration. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion

May produce an allergic reaction. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.

(Get medical attention immediately if symptoms occur.).

Most important symptoms and effects, both acute and delayed

Symptoms See Section 11: TOXICOLOGICAL INFORMATION.

Indication of any immediate medical attention and special treatment needed

Note to physicians May cause sensitization by inhalation. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Carbon dioxide (CO2). Water spray or fog.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Product is or contains a sensitizer. May cause sensitization by inhalation. May cause sensitization by skin contact.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Toxic gas. Nitrogen oxides (NOx).

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions See Section 12: ECOLOGICAL INFORMATION.

Methods and material for containment and cleaning up

Methods for containment Cover powder spill with plastic sheet or tarp to minimize spreading.

Methods for cleaning up Prevent product from entering drains. After cleaning, flush away traces with water. Use personal protective equipment as required. Sweep up and shovel into suitable containers for disposal. Avoid creating dust.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not burn treated wood. Do not use pressure treated chips or sawdust as mulch. Avoid contact with skin and eyes. Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a well-ventilated place. Keep cool. Avoid generation of dust.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Wood and Wood Dust NOT ASSIGNED	1.0 mg/m ³ Inhalable, 0.5 mg/m ³ Inhalable Western Red Cedar	15 mg/m ³ Total Dust 5.0 mg/m ³ Respirable Fraction	-
Copper Ethanolamine Complex 14215-52-2	TWA: 1 mg/m ³ Cu dust and mist	-	IDLH: 100 mg/m ³ Cu dust and mist TWA: 1 mg/m ³ Cu dust and mist
Sodium benzoate 532-32-1	TWA: 2.5 mg/m ³ Benzoate inhalable particulate matter S*	-	-
Hydrochloric acid 7647-01-0	Ceiling: 2 ppm	(vacated) Ceiling: 5 ppm (vacated) Ceiling: 7 mg/m ³ Ceiling: 5 ppm Ceiling: 7 mg/m ³	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m ³
Acetic acid 64-19-7	STEL: 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 25 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m ³	IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m ³ STEL: 15 ppm STEL: 37 mg/m ³
ε-caprolactam 105-60-2	TWA: 5 mg/m ³ inhalable fraction and vapor	(vacated) TWA: 1 mg/m ³ dust (vacated) TWA: 5 ppm vapor (vacated) TWA: 20 mg/m ³ vapor (vacated) STEL: 3 mg/m ³ dust (vacated) STEL: 10 ppm vapor (vacated) STEL: 40 mg/m ³ vapor	TWA: 1 mg/m ³ dust TWA: 0.22 ppm vapor TWA: 1 mg/m ³ vapor STEL: 3 mg/m ³ dust STEL: 0.66 ppm vapor STEL: 3 mg/m ³ vapor
Glutaral 111-30-8	dermal sensitizer;respiratory sensitizer Ceiling: 0.05 ppm activated or unactivated	(vacated) Ceiling: 0.2 ppm (vacated) Ceiling: 0.8 mg/m ³	Ceiling: 0.2 ppm Ceiling: 0.8 mg/m ³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls

Showers. Eyewash stations. Ventilation systems: Saw, cut or machine wood outdoors or in a well ventilated area. Due to the explosive potential of dust when suspended in air, precautions should be taken when sawing, sanding or machining wood or wood products to prevent sparks or other ignition sources.

Individual protection measures, such as personal protective equipment

Eye/face protection

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

Skin and body protection

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

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid	Odor	No information available
Appearance	No information available		
Color	brown	Odor threshold	No information available
Property	Values	Remarks • Method	
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	No information available		
Flash point			
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Relative density	No information available		
Water solubility	No information available		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Hyphen	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		

Explosive properties No information available
Oxidizing properties No information available

Other information

Softening point No information available
Molecular weight No information available
VOC content No information available
Density No information available
Bulk density No information available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	WOOD and WOOD DUST :. May cause cancer. May cause sensitization by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye contact	WOOD and WOOD DUST: Contact with eyes may cause irritation.
Skin contact	WOOD and WOOD DUST :. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact.
Ingestion	WOOD and WOOD DUST :. Harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Copper Ethanolamine Complex 14215-52-2	= 1000 mg/kg (Rat)	> 5000 mg/kg (Rat) = 2460 mg/kg (Rat)	> 2.07 mg/L (Rat) 4 h
Brown HM 2763	>5000 mg/kg (RT)	>2000 mg/kg (RT)	-

Sodium benzoate 532-32-1	3450 mg/kg (RT)	>2000 mg/kg (RBT)	-
Trade Secret	2122 mg/kg (RT)	> 2000 mg/kg	-
Hydrochloric acid 7647-01-0	-	-	7.2 - 9.7 mg/L (RT) 30 m
ε-caprolactam 105-60-2	1876 mg/kg (RT)	>2000 mg/kg (RBT)	8.16 mg/L (RT) 4h
1,2-Benzisothiazolin-3-one 2634-33-5	1020 mg/kg (RT)	-	-
Glutaral 111-30-8	1554 mg/kg (RT)	>2000 mg/kg (RBT)	0.28 mg/L (RT) 4h
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	64 mg/kg (RT)	92.4 mg/kg (RBT)	0.171 mg/L (RT) 4h
Zinc 7440-66-6	>2000 mg/kg (RT)	-	-

Note:

RT = Rat
RBT = Rabbit
MSE = Mouse
GP = Guinea Pig
V = Vapour

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause irritation.

Serious eye damage/eye irritation Practically non-irritating to eyes.

Sensitization May cause sensitization by inhalation. May cause sensitization by skin contact.

Germ cell mutagenicity None known.

Chemical name	ACGIH	IARC	NTP	OSHA
Wood and Wood Dust NOT ASSIGNED	X	Group 1	X	X
Hydrochloric acid 7647-01-0	-	Group 3	-	X
ε-caprolactam 105-60-2	-	Group 4	-	-

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity Not classified.
STOT - single exposure Respiratory system.

Numerical measures of toxicity - Product Information

ATEmix (oral) 99,999.00
ATEmix (dermal) 99,999.00
ATEmix (inhalation-gas)
ATEmix (inhalation-dust/mist)

ATEmix (inhalation-vapor)

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Chemical name	Algae/aquatic plants	Fish	Crustacea
Brown HM 2763 ---	-	115 mg/L LC50 96h (Cyprinus carpio)	156.8 mg/L EC50 48h (Daphnia magna)
Sodium benzoate 532-32-1	30.5 mg/L EC50 72h (Pseudokirchneriella subcapitata)	484 mg/L LC50 96h (Pimephales promelas)	>100 mg/L EC50 48h (Daphnia magna)
Trade Secret	569.2 mg/L EC50 72h (Desmodesmus subspicatus)	-	15 mg/L EC50 72h (Ceriodaphnia dubia)
Hydrochloric acid 7647-01-0	4.7 mg/L EC50 72h (Chlorella vulgaris)	>3.25 mg/L LC50 96h (Lepomis macrochirus)	4.92 mg/L EC50 48h (Daphnia magna)
ε-caprolactam 105-60-2	0.467 mg/L EC50 72h (Pseudokirchneriella subcapitata)	1.4 mg/L LC50 96h (Oryzias latipes)	0.88 mg/L EC50 48h (Daphnia magna)
1,2-Benzisothiazolin-3-one 2634-33-5	-	16.7 mg/L LC50 96h	2.9 mg/L EC50 48h (Daphnia Magna)
Glutaral 111-30-8	0.375 mg/L EC50 72h (Desmodesmus subspicatus)	0.8 mg/L LC50 96h (Oncorhynchus mykiss)	2.1 mg/L EC50 96h (Daphnia magna)
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	0.0273 mg/L EC50 72h (Pseudokirchneriella subcapita)	0.19 mg/L LC50 96h (Oncorhynchus mykiss)	0.16 mg/L EC50 48h (Daphnia magna)
Zinc 7440-66-6	0.15 mg/L EC50 72h (Pseudokirchneriella subcapitata)	0.439 mg/L LC50 96h (Cottus bairdii)	0.416 mg/L EC50 48h (Cereodaphnia dubia)

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical name	Partition coefficient
Sodium benzoate 532-32-1	-2.13
Trade Secret	-0.066
ε-caprolactam 105-60-2	0.12
Glutaral 111-30-8	-0.36
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1) 55965-84-9	>=-0.32 - <=0.7

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container. Empty containers must be tripled rinsed prior to disposal.

Chemical name	California Hazardous Waste Status
Copper Ethanolamine Complex 14215-52-2	Toxic
Acetic acid 64-19-7	Toxic Corrosive Ignitable
Glutaral 111-30-8	Toxic
Zinc 7440-66-6	Ignitable powder

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No

Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Copper Ethanolamine Complex 14215-52-2	-	X	-	-
Hydrochloric acid 7647-01-0	5000 lb	-	-	X
Acetic acid 64-19-7	5000 lb	-	-	X
Zinc 7440-66-6	-	X	X	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Copper Ethanolamine Complex 14215-52-2	-	X	-
Hydrochloric acid 7647-01-0	5000 lb	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Acetic acid 64-19-7	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Zinc 7440-66-6	1000 lb	-	RQ 454 kg final RQ RQ 1000 lb final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Wood and Wood Dust - NOT ASSIGNED	Carcinogen

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Acetic acid 64-19-7	X	X	X
ε-caprolactam 105-60-2	X	X	X
Zinc 7440-66-6	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

Issue Date Mai-20-2022

Revision Date 18-Jan-2023

Revision Note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet