



SAFETY DATA SHEET

Issue Date 21-May-2015

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Version 3

1. IDENTIFICATION

Product identifier

Product Name

Wolman® E (CA-C)

Other means of identification

Product Code

23425

UN/ID no

UN2491

Registration Number(s)

EPA: 75506-10

Recommended use of the chemical and restrictions on use

Recommended Use

Wood Preservative.

Details of the supplier of the safety data sheet

Supplier Address

Arch Treatment Technologies, Inc.
360 Interstate North Parkway, Suite 450
Atlanta, GA 30339

Emergency telephone number

Company Phone Number

1-800-511-MSDS (Outside USA: 1-423-780-2347)

24 Hour Emergency Phone Number

1-800-654-6911 (Outside USA: 1-423-780-2970)

Emergency Telephone

For all transportation accidents call Chemtrec 1-800-424-9300 (Outside USA:
1-703-527-3887)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if swallowed

Harmful if inhaled

Causes severe skin burns and eye damage

May cause damage to organs through prolonged or repeated exposure



Physical state liquid

Odor Slight

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 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 INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician if you feel unwell
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

Harmful to aquatic life with long lasting effects May be harmful in contact with skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

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

Chemical nature

In formulation below: *metallic copper equivalent 8.46 - 9.36.

Chemical Name	CAS No	Weight-%	Trade Secret
Copper Ethanolamine Complex	14215-52-2	26.73	
2-aminoethanol	141-43-5	---	*
Surfactant	Proprietary	---	*

Propiconazole	60207-90-1	0.19	
Dipropylene glycol methyl ether	34590-94-8	--	*
Tebuconazole	107534-96-3	0.19	

*The exact percentage (concentration) of composition has been withheld as a trade secret

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	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. If symptoms persist, call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Ingestion	Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice.

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 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

No information available.

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

Explosion data

Sensitivity to Mechanical Impact Warning.

Sensitivity to Static Discharge Warning.

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. Wear protective gloves/protective clothing and eye/face protection. In case of fire: Stop leak if safe to do so.
For emergency responders	Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dam up. Prevent product from entering drains. After cleaning, flush away traces with water. Take up mechanically, placing in appropriate containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-aminoethanol 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³
Dipropylene glycol methyl ether 34590-94-8	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 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.

Individual protection measures, such as personal protective equipment

Eye/face protection Goggles.

Skin and body protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

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. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

General Hygiene Considerations Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	Odor	Slight
Appearance	No information available	Odor threshold	No information available
Color	blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	9.5	
Melting point / freezing point	No information available	
Boiling point / boiling range	100 °C	
Flash point	> 212 °F	
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	1.25	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	14 mm ² /s	
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 (%)	24.84 per EPA Method 24
Density	10.3
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

Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Harmful by inhalation. Avoid breathing vapors or mists.
Eye contact	Causes serious eye damage. Avoid contact with eyes.
Skin contact	Causes burns. Avoid contact with skin.
Ingestion	Harmful if swallowed. Do not taste or swallow.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-aminoethanol 141-43-5	= 1515 mg/kg (Rat)	> 2500mg/kg (Rabbit)	-
Surfactant	= 1,200 mg/kg (Rat)	>3,000 mg/kg Rat	-
Propiconazole 60207-90-1	= 1517 mg/kg (Rat)	> 4 g/kg (Rat)	>5.8 mg/L LC50 4h (Rat)
Dipropylene glycol methyl ether 34590-94-8	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	-
Tebuconazole 107534-96-3	1700 - 4000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5000 mg/m ³ (Rat) 4 h

Information on toxicological effects

Symptoms No information available.

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

Skin corrosion/irritation	Causes severe burns.
Serious eye damage/eye irritation	Risk of serious damage to eyes.
Irritation	Irritating to eyes and skin.
Corrosivity	Risk of serious damage to eyes.
Target Organ Effects	Central nervous system, Eyes, Respiratory system, Skin.

Numerical measures of toxicity - Product Information

ATEmix (oral)
ATEmix (dermal)
ATEmix (inhalation-gas)
ATEmix (inhalation-dust/mist)
ATEmix (inhalation-vapor)

Numerical measures of toxicity	
Oral LD50	925 mg/kg (rat)
Dermal LD50	> 2001 mg/kg (rabbit)
Inhalation LC50	Estimated > 2.0 mg/l rat

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-aminoethanol 141-43-5	15 mg/L EC50 72 h (Desmodesmus subspicatus)	114 mg/L LC50 96hr (static) - (Oncorhynchus mykiss)	65 mg/L EC50 48 h (Daphnia magna)
Dipropylene glycol methyl ether 34590-94-8	-	>1000 mg/L LC50 96h (Poecilia reticulata)	1919 mg/L LC50 48h (Daphnia magna)

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated packaging

Empty containers must be tripled rinsed prior to disposal. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**DOT**

UN/ID no	UN2491
Proper shipping name	Ethanolamine solutions
Hazard Class	8
Packing Group	III
Special Provisions	IB3, T4, TP1
Description	UN2491, Ethanolamine solutions, 8, III
Emergency Response Guide Number	153

TDG

UN/ID no	UN2491
Proper shipping name	Ethanolamine solution
Hazard Class	8
Packing Group	III
Description	UN2491, Ethanolamine solution, 8, III

MEX

UN/ID no	UN2491
Proper shipping name	Ethanolamine solution
Hazard Class	8
Packing Group	III
Description	UN2491, Ethanolamine solution, 8, III

ICAO (air)

UN/ID no	UN2491
Proper shipping name	Ethanolamine solution
Hazard Class	8
Packing Group	III
Special Provisions	A3
Description	UN2491, Ethanolamine solution, 8, III

IATA

UN/ID no	UN2491
Proper shipping name	Ethanolamine solution
Hazard Class	8
Packing Group	III

ERG Code	8L
Special Provisions	A3, A803
Description	UN2491, Ethanolamine solution, 8, III

IMDG

UN/ID no	UN2491
Proper shipping name	Ethanolamine
Hazard Class	8
Packing Group	III
EmS-No	F-A, S-B
Special Provisions	223
Marine pollutant	This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO
Description	UN2491, Ethanolamine solution, 8, III

RID

UN/ID no	UN2491
Proper shipping name	Ethanolamine solution
Hazard Class	2.3
Classification code	2TC
Description	UN2491, Ethanolamine solution, 8, III
Labels	8 (+13)

ADR

UN/ID no	UN2491
Proper shipping name	Ethanolamine solution
Hazard Class	8
Packing Group	III
Classification code	C7
Tunnel restriction code	(E)
Description	UN2491, Ethanolamine solution, 8, III, (E)
Labels	8

ADN

Proper shipping name	Ethanolamine solution
Hazard Class	8
Packing Group	III
Classification code	C7
Description	UN2491, Ethanolamine solution, 8, III
Hazard label(s)	8
Limited quantity (LQ)	5 L

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Copper Ethanolamine Complex is expressed as Copper

Chemical Name	SARA 313 - Threshold Values %
Copper Ethanolamine Complex - 14215-52-2	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated 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	-	-

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

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-aminoethanol 141-43-5	X	X	X
Dipropylene glycol methyl ether 34590-94-8	X	X	X
Propiconazole 60207-90-1	X	-	-

U.S. EPA Label Information

EPA Pesticide Registration Number 75506-10

Difference between SDS and EPA Pesticide label

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Danger
Corrosive
Causes skin burns

Cause moderate eye irritation.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 3	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 3*	Flammability 1	Physical hazards 0	Personal protection X

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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