

MATERIAL SAFETY DATA SHEET  
WOLMANIZED END CUT SOLUTION  
January 1, 2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Wolmanized End Cut Solution  
**General Use:** Wood Preservative

**EPA Reg. #** 1022-518-75506

**MANUFACTURER:**

Arch Treatment Technologies Inc.  
3941 Bonsal Road  
Conley, Georgia 30288  
MSDS Information 1-800-511-6737

**EMERGENCY TELEPHONE NUMBERS:**

\*CHEMTREC Assistance: 1-800-424-9300  
\*CANUTEC: 1-613-996-6666  
ACEAN 24 hour Emg. Resp. 1-800-654-6911  
\*Use only during transportation emergencies

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	PERCENT	CAS #	EXPOSURE LIMITS (mg/m <sup>3</sup> )		
			OSHA – PEL	ACGIH – TLV	ACGIH – STEL
Monoethanolamine (ethanolamine)	1 – 10	141-43-5	3 ppm	3 ppm	6 ppm
Copper Naphthenate	9.08	1338-02-9	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

**Inhalation:** Inhalation of vapor or mist can cause irritation of the nose, throat, and lungs.  
**Eye Contact:** Material may cause severe irritation to the eyes. May cause irreversible eye damage.  
**Skin Contact:** Material may cause skin irritation or rash on prolonged or repeated contact.  
**Ingestion:** Material may cause gastrointestinal irritation. Could result in irritation and some corrosive action in the mouth, stomach tissue and digestive tract.

4. FIRST AID MEASURES

**Inhalation:** Remove from exposure. If severe breathing difficulty should arise immediately seek medical aid. If breathing has stopped, administer artificial respiration or oxygen.  
**Eye Contact:** Exposed eyes should be flushed with large amounts of saline or water for at least 15 minutes, (greater than 1 liter per eye, minimum) using low pressure, taking care that the eyes remain open during this entire procedure. If wearing contact lenses, immediately flush eyes with water for a short period prior to removing contacts, then resume flushing procedures as described above. Immediately seek medical aid.  
**Skin Contact:** Flush exposed skin with large amounts of water. Then use soap and water to clean area. Remove contaminated clothing. Seek medical aid if severe irritation develops.  
**Ingestion:** Do not administer anything by mouth if difficulty with swallowing exists. DO NOT induce vomiting. Seek medical aid immediately. Drink promptly milk, egg white, gelatin solution or water. Do not attempt to give anything to an unconscious person. Call a physician or poison center at (800) 837-0496 (Outside the US call 1-404-616-9000.)  
**Note to Physician:** Probable mucosal damage may inhibit the use of gastric lavage.

5. FIRE FIGHTING MEASURES

<b>Flash Point</b>	>200 (TCC)	<b>Lower Explosive Limit</b>	NONE KNOWN
<b>Auto-Ignition</b>	NO	<b>Upper Explosive Limit</b>	NONE-KNOWN

**Unusual Hazards:** None

**Extinguishing Agents:** CO<sub>2</sub>, Water, Foam, Fog, and Dry Chemical

**Personal Protective Equipment:** Wear self-contained breathing apparatus (pressure-demand NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

**Personal Protection:** See Section 8 *Exposure Controls/Personal Protection*.

**Spill or Leak Procedures:** Stop leak if no risk involved. Stay up wind. Small spills: Take up with sand or other noncombustible absorbent material. Flush area with water. Dike large spills for later disposal. Contain runoff from fire control and dilution water. Rinse and remove gloves, transfer gloves to the waste container, and close and seal the waste container.

**Waste Disposal:** Dispose of in accordance with local, state and federal regulations.

*Note that most spills that occur within containment in a treating plant can simply be flushed with water hose into a sump to be pumped back into the system.*

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## 7. HANDLING AND STORAGE

**Handling and Storage Conditions:** Store in a cool, dry area. Product should be stored indoors. Do not store this material outdoors or in refrigerated areas. Store away from food or feed in a secure, well-ventilated area protected from extreme temperatures. Do not allow to freeze.

**Other:** Containers are hazardous when empty. Since emptied containers retain product residue (vapors and/or liquid) follow all MSDS and label warnings even after container is emptied. Triple rinse drums with water and deface label before disposal or re-use.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Use a NIOSH approved respirator equipped with cartridges for organic vapors, ammonia, and HEPA pre-filter. Under severe conditions use a NIOSH approved self-contained breathing apparatus (SCBA) in the pressure-demand mode or a full face-piece airline respirator in the pressure demand mode with emergency escape provision.

**Eye Protection:** Use safety glasses with side shields. Splash proof goggles should be worn when risk of splash or spray is present.

**Hand Protection:** Rubber or plastic gloves give adequate protection. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water.

**Other Protection:** Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact. If general ventilation is not adequate, use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of mist evolution.

**Other Protective Equipment:** Facilities storing or utilizing this material must be equipped with an emergency eyewash and safety shower station within easy access for quick drenching or flushing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Dark Brown Liquid	<b>Vapor Pressure</b>	<1 mm Hg
<b>State</b>	Liquid	<b>Melting Point</b>	NA
<b>Odor Characteristic</b>	Faint amine odor	<b>Boiling Point</b>	220-230°F
<b>PH</b>	10.1-10.9	<b>Solubility in Water</b>	Miscible
<b>Viscosity</b>	NA	<b>VOC Content</b>	221 grams/liter
<b>Specific Gravity (Water = 1)</b>	1.04 – 1.07	<b>Evaporation Rate (BAc = 1)</b>	<1
<b>Vapor Density (Air = 1)</b>	>1		

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## 10. STABILITY AND REACTIVITY

**Instability:** This material is considered stable under specified conditions of storage, shipment and/or use. See SECTION 7, *Handling and Storage*, for specified conditions.

**Hazardous Decomposition Products:** None Known.

**Hazardous Polymerization:** Will Not Occur

**Incompatibility:** None Known

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## 10. TOXICOLOGICAL INFORMATION

**LD50 (Oral-Rat)** – 11,290 – 15,770 mg/kg

**LD50 (Dermal-Rabbit)** – 1,113 mg/kg

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## 12. ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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### 13. DISPOSAL CONSIDERATIONS

Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Check local and state regulations, as they may be more stringent.

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### 14. TRANSPORT INFORMATION

**Freight Classification:** Preservatives, Wood, N. O. I., Liquid – NMFC 161490

**Transportation Classifications:** IATA (Air) = No; IMO (Water) = Yes; DOT (Land) = No

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### 15. REGULATORY INFORMATION

**HMIS:** 3 – HEALTH, 1 – FIRE, 0 – REACTIVITY

**SARA 311/312 (40 CFR 370):** This product is an OSHA hazardous material under 29 CFR 1910.1200, therefore, it is regulated under the Superfund Amendments and Reauthorization Act (SARA) Sections 311 and 312. A facility must report chemical storage quantities that equal or exceed 10,000 pounds anytime during the reporting year to the appropriate state and local agencies.

**SARA TITLE III Section 313 (40 CFR 372):** This product requires a Toxic Release Inventory reporting for individual material uses of 25,000 pounds or more. Reporting is under Copper Compounds

**RCRA (40 CFR 261):** Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Check local and state regulations, as they may be more stringent.

**OSHA (29 CFR 1910.1200):** This product is regulated under the Hazard Communication Standard

**FIFRA (40 CFR 152-186):** This product is subject to regulation under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and is therefore exempt from the Toxic Substances Control Act (TSCA) Inventory listing requirements.

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### 16. OTHER INFORMATION

#### ABBREVIATIONS

<b>OSHA</b>	Occupational Safety and Health Administration	<b>TLV</b>	Threshold Limit Value
<b>NFPA</b>	National Fire Protection Association	<b>STEL</b>	Short-Term Exposure Limit
<b>FIFRA</b>	Federal Insecticide, Fungicide and Rodenticide Act	<b>RCRA</b>	Resource Conservation and Recovery Act
<b>CERCL</b>	Comprehensive Environmental Response,	<b>ACGIH</b>	American Conference of Governmental
<b>A</b>	Compensation, and Liability Act		Industrial Hygienists
<b>SARA</b>	Superfund Authorization and Reauthorization Act	<b>NIOSH</b>	National Institute of Occupational Safety and Health
<b>PEL</b>	Permissible Exposure Limit	<b>TSCA</b>	Toxic Substances Control Act
<b>DOT</b>	Department of Transportation	<b>IARC</b>	International Agency for Research on Cancer
<b>NTP</b>	National Toxicology Program	<b>IBC</b>	International Building Code
<b>CFR</b>	Code of Federal Regulations	<b>mg/m3</b>	Milligrams per cubic meter
<b>CWA</b>	Clean Water Act	<b>CAA</b>	Clean Air Act
<b>CAS</b>	Chemical Abstracts Service		

**NOTICE:** While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Arch Wood Protection, Inc. makes no guarantee or warranty, expressed or implied, as to the accuracy, reliability, or completeness of the information.

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