

MATERIAL SAFETY DATA SHEET
WOLMANAC® TREATING SOLUTION
January 1, 2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: WOLMANAC® TREATING SOLUTION

General Use: pesticide for wood preservation

MANUFACTURER:

Arch Wood Protection, 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 ³)		
			OSHA-PEL (as Cr) 0.1 (Ceiling)	ACGIH-TLV	ACGIH-STEL
Chromic Acid	<5	7738-94-5	(as As)0.01	0.05	None
Arsenic Acid	<5	7778-39-4	(as Cu) 1.0	0.01	None
Copper Oxide	<5	1317-38-0	(dusts/mists)	1.0 (dusts/mists)	None

3. HAZARDS IDENTIFICATION

Inhalation: Severe irritation to the upper airways when inhaled in concentrations exceeding recommended exposure limits. Short-term overexposure may cause muscle spasms, dizziness and collapse. Prolonged overexposure may cause hoarseness of the voice, potential liver injury and red patches on the skin. Chronic arsenic exposure may cause nervous system damage.

Eye Contact: Severe irritation to the eyes.

Skin Contact: May cause irritation to the skin.

Ingestion: Corrosive. Can cause internal hemorrhage and death if consumed as a liquid.

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: Following ingestion, if the patient can swallow without difficulty, administer small quantities of water and/or demulcents (such as milk) to dilute the chromic acid. Do not administer anything by mouth if difficulty with swallowing exists. DO NOT induce vomiting. Seek medical aid immediately. 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)

5. FIRE FIGHTING MEASURES

Flash Point NA

Auto-ignition NA

Lower Explosive Limit NA

Upper Explosive Limit NA

Extinguishing Agents: Not applicable

5. FIRE FIGHTING MEASURES CONT'D

Fire-Fighting Procedures: Fire from a separate fuel source may be intense enough to cause thermal decomposition releasing toxic fumes and/or gases. Wear complete fire service protective equipment, including full-face NIOSH/NFPA – approved self-contained breathing apparatus.

Fire and Explosion Hazard: This product will not burn. Closed containers may explode (due to the build up of steam pressure) when exposed to extreme heat. Water could evaporate to expose a combustible residue. Under fire conditions the product may emit irritants, toxic gas and/or fumes. May cause fire on contact with combustible materials (e.g. oil-stained rags or sawdust).

6. ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: (Product). Stop leak if no risk involved. Contain spill by using an inert non-biodegradable absorbent material (e.g., kitty litter or synthetic absorbents). Shovel into an appropriate container and dispose of waste in accordance with federal, state and local regulations. If material can be recovered, use a vacuum system designed for liquid recovery. If a reportable quantity (RQ) is released into the environment, report to the National Response Center (1-800-424-8802), the State Emergency Planning Commission (SERC), the Local Emergency Planning Committee (LEPC) and/or your local fire department depending on availability.

Reportable Quantities: If 27 gallons (227 lbs.) of CCA Treating Solution is released into the environment, the arsenic RQ of one (1) pound will be exceeded.

Waste Disposal: Dispose of waste in accordance with Federal and State Hazardous Waste regulations. Place in tightly sealed, labeled containers. This product is an EPA listed waste as F035 in 40 CFR 261.

7. HANDLING AND STORAGE

Storage Conditions: Well ventilated area. Maintain good housekeeping. Keep properly labeled containers closed when not in use. Protect from physical damage.

Caution: Do not wear contaminated clothing. Wash hands thoroughly before eating, drinking, using tobacco products, and/or using restrooms.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None normally required. However, if airborne concentrations exceed established PEL, use NIOSH approved air-purifying respirator equipped with high efficiency particulate filters (HEPA) such as P100.

Eye Protection: Splash-proof chemical goggles and face shield should be worn wherever splash hazards exist.

Skin/Foot Protection: PVC, polyethylene or neoprene gloves are recommended. Wear long sleeves, pants and leather or rubber shoes. Coveralls or aprons if needed.

Ventilation: General ventilation is required.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Lt. Brown liq	Solubility in Water	Soluble	Specific Gravity (Water =1)	1.02-1.04
Odor	Metallic	pH	<2	Boiling Point	100C
Physical State	Liquid	Vapor Pressure	NA	Freezing Point	-30C

10. STABILITY AND REACTIVITY

Conditions contributing to instability: None

Incompatibilities: Alkaline products, Zinc, galvanized metal, aluminum, organic combustible materials (such as oily rags or sawdust)

Hazardous Reactions/Decomposition/Combustion Products: Chromium, copper and arsenic fumes

Hazardous Polymerization: Does not occur

11. TOXICOLOGICAL INFORMATION

Oral Toxicity: LD50= >500 mg/kg (rat – CCA 8% Solution)

Cancers in humans have followed from long term consumption of Fowler's Solution, a medicinal trivalent arsenical; inhalation and skin contact with inorganic trivalent arsenical sheep-dust; the combined inhalation of arsenic trioxide (trivalent arsenical), sulfur dioxide, and other particulates from ore smelting in arsenic trioxide production; and occupational exposure to nonwater-soluble hexavalent chromium.

12. ECOLOGICAL INFORMATION

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.

NOTE: Arsenic, Chrome and Copper occur naturally in soil.

13. DISPOSAL CONSIDERATIONS

Disposal Guidance: Dispose of waste in accordance with Federal and State Hazardous Waste regulations. Place in tightly sealed, labeled containers. This product is an EPA listed waste as F035 in 40 CFR 261.

14. TRANSPORT INFORMATION

DOT Hazardous Material Classification: Arsenical Pesticide, Liquid, Toxic, (Arsenic Acid, Chromic Acid), 6.1 UN 2994, III

North American Emergency Response Guide # 151

NOTE: The Hazardous material classification is not applicable if shipping 16 ounces or less.

15. REGULATORY INFORMATION

Canada: Regulated under WHMIS

CERCLA/SARA (40 CFR 302.4): Regulated under CERCLA/SARA. Chromic acid and arsenic acid have reportable quantities of 10 pounds and 1 pound respectively under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

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 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, Chromium Compounds and Arsenic Compounds.

RCRA (40 CFR 261): This product is an EPA listed waste as F035 in 40 CFR 261.

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. This product is registered as a restricted-use pesticide. Users must be certified (or licensed) applicators or operate under the direct supervision of a certified applicator.

15. REGULATORY INFORMATION CONT'D

California Proposition 65: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. (This statement issued in accordance with California Proposition 65).
NFPA: 2-Health, 0-Flammability, 0-Reactivity

ABBREVIATIONS

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