

# MATERIAL SAFETY DATA SHEET

## PART I

What is the material and what do I need to know in an emergency?

### 1. PRODUCT IDENTIFICATION

TRADE NAMES (AS LABELED):

**CCA TYPE C PRESSURE TREATED WOOD**

PRODUCT CLASS:

NA

SYNONYMS:

Pressure treated wood with Chromated Copper Arsenate

MANUFACTURER'S NAME:



ADDRESS:

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EMERGENCY PHONE:

912-333-2500

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912-333-2500

MSDS PREPARATION DATE:

August 21, 1995

### 2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR					
			ACGIH		OSHA			OTHER
			TLV mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	PEL mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	IDLH mg/m <sup>3</sup>	
ARSENIC (as As <sub>2</sub> O <sub>5</sub> )	7778-39-4	0.15-3.0	0.5	NE	0.05	NE	NE	human carc. LD <sub>50</sub> 48 mg/kg (oral rat)
HEXAVALENT CHROMIUM (as CrO <sub>3</sub> )	7440-47-3	0.25-4.0	0.1 (as Cr(VI))	NE	0.1C (as CrO <sub>3</sub> )	NE	NE	suspect human carc. LD <sub>50</sub> (oral- rats) 80 mg/kg
COPPER (as CuO)	1317-38-0	0.10-2.0	1.0 (8- hour TWA)	NE	1.0	NE	NE	LD <sub>50</sub> 470 mg/kg (oral rat)
WATER and WOOD	7732-18-5	40-50	NE	NE	NE	NE	NE	NE

NE = not established

### 3. HAZARD IDENTIFICATION

#### SYMPTOMS OF OVER EXPOSURE BY ROUTE OF EXPOSURE:

INHALATION: Wood dust may be irritating to nose and throat. Can cause chest pains and chemical pneumonitis.

CONTACT WITH SKIN or EYES: Skin lesions commonly observed on hands at base of nails and on knuckles; these are usually not disabling. Conjunctivitis (of eyes) can result from mild exposure to wood dust.

SKIN ABSORPTION: Skin absorption is possible through wood splinters, causing skin ulcers.





INGESTION: Wood fibers may result in nausea, vomiting, abdominal pain and diarrhea.

INJECTION: Direct injection of this substance may cause effects similar to skin contact and skin adsorption, including lesions and ulceration.

HEALTH EFFECTS OR RISKS FROM EXPOSURE An explanation in lay terms:

**ACUTE:** Toxic if ingested, inhaled, or otherwise introduced directly into the body. Ingestion of large amount could be fatal. Symptoms of acute exposure include nausea, diarrhea, and severe abdominal distress.

**CHRONIC:** Chronic exposure could lead to dermatitis of the skin (red, irritated, cracked, and/or painful skin), allergic skin responses can occur in sensitive people. Chronic exposure to any wood dust could result in reduction of the sense of smell.

HAZARDOUS MATERIAL INFORMATION SYSTEM RATING			
HEALTH (BLUE)	1		
FLAMMABILITY (RED)	1		
REACTIVITY (YELLOW)	0		
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
			
For routine industrial applications			

## PART II *What should I do if a hazardous situation occurs?*

### 4. FIRST-AID MEASURES

If wood fibers are in the eyes, open victim's eyes while under gentle running water. Use sufficient force to open eye lids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek immediate medical attention especially if splintering occurs in the eye. If victim is not breathing, remove to fresh air and use artificial respiration to support vital functions.

If CCA pressure treated wood is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, DO NOT induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow.

Victim of chemical exposure and all rescuers must be taken for medical attention. Take copy of label and MSDS to physician or health professional with victim.

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## 5. FIRE-FIGHTING MEASURES

FLASH POINT, °F (method): N/A

AUTOIGNITION TEMPERATURE, °F: less than 300F

FLAMMABLE LIMITS in air by volume, %: lower N/A upper N/A

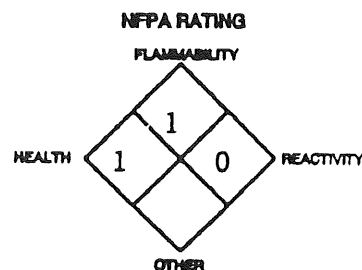
FIRE EXTINGUISHING MATERIALS:

Product will burn or contribute to intensity of a fire. Fire fighting should be aimed at surrounding materials.

Water Spray: OK  
Dry Chemical: OK

Carbon Dioxide: OK  
Halon: OK

Foam: OK



SPECIAL FIRE FIGHTING PROCEDURES: INCIPIENT FIRE RESPONDERS SHOULD WEAR EYE PROTECTION AND SELF BREATHING APPARATUS. STRUCTURAL FIRE FIGHTERS MUST WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. TOXIC VAPORS MAY BE GIVEN OFF FROM BURNING WOOD.

UNUSUAL FIRE & EXPLOSION HAZARDS: WHEN HEATED TO DECOMPOSITION, THIS PRODUCT MAY EMIT TOXIC FUMES CONTAINING ARSENIC, COPPER, AND/OR CHROMIUM. ASH FROM FIRE MAY CONTAIN TOXIC COMPOUNDS.

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## 6. ACCIDENTAL RELEASE MEASURES

SPILL & LEAK RESPONSE: CCA pressure treated wood is not reportable as a leachable substance. CCA is fixed in the wood cells as to minimize leaching problems. Unused wood should be disposed of in accordance with Federal, State, and local hazardous waste disposal regulations.

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## PART III *How can I prevent hazardous situations from occurring?*

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## 7. HANDLING and STORAGE

WORK PRACTICES & HYGIENE PRACTICES: Avoid getting CCA pressure treated wood in you. Wash hands after handling CCA pressure treated wood. Do not eat or drink while handling treated wood. Follow SPECIFIC USE INSTRUCTIONS supplied with product. This product is for use in commercial and residential applications only.

STORAGE & HANDLING PRACTICES: Avoid frequent or prolonged inhalation of sawdust from treated wood. When sawing or machining treated wood, wear a dust mask. Whenever possible, these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood.

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## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION & ENGINEERING CONTROLS: Use with adequate ventilation. Use a mechanical fan or vent area to outside. Whenever possible, these operations should be performed outdoors.

RESPIRATORY PROTECTION: Industrial hygiene monitoring should be performed to verify actual exposure levels when working in confined spaces that are contaminated with CCA treated wood dust. Be sure to review the consumer information sheet. In exceptional circumstances if the level of inorganic arsenic is unknown or exceeds 20 mg/m<sup>3</sup> or if chromium exceeds 12.5 mg/m<sup>3</sup>, a full facepiece, self-contained breathing apparatus operated in the positive pressure mode must be used. If the arsenic concentration is known, follow the respiratory protection guide provided in 29 CFR 1910.1018, the OSHA Inorganic Arsenic Standard.

EYE PROTECTION: Splash goggles or safety glasses should be used during cutting process of any wood products.

HAND PROTECTION: Use appropriate gloves. Vinyl, polyvinyl chloride, neoprene, BUNA-N, natural rubber, and polyethylene gloves are generally acceptable for the handling of freshly treated lumber at the treatment plant. Check gloves for leaks. Wash hands after removing gloves.

BODY PROTECTION: Use body protection appropriate for task. Chemical protective clothing made from vinyl, polyvinyl chloride, neoprene, BUNA-N, natural rubber, and polyethylene are generally acceptable during the treating process and upon handling freshly treated lumber.

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## 9. PHYSICAL and CHEMICAL PROPERTIES

VAPOR DENSITY: N/A

EVAPORATION RATE (water=1): N/A

SPECIFIC GRAVITY: N/A

MELTING POINT or RANGE: °C N/A

SOLUBILITY IN WATER: Highly insoluble

BOILING POINT: NA

VAPOR PRESSURE, mm Hg @ 20 °C: N/A

APPEARANCE & COLOR: Light to dark green in color. No odor is apparent.

HOW TO DETECT THIS SUBSTANCE (warning properties): This product has no unusual warning properties.

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## 10. STABILITY and REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: OPEN FLAMES WILL CAUSE PRODUCT TO DECOMPOSE, POSSIBLY PRODUCING TOXIC GASES. CONDITIONS WHICH CAN GENERATE HAZARDOUS CONDITIONS MAY OCCUR IN THE ASH CONTENT AS A RESULT OF OPEN BURNING OF CCA PRESSURE TREATED WOOD.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:  
None Known.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

CONDITIONS TO AVOID: OPEN FLAMES!

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## PART IV *Is there any other useful information about this material?*

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### 11. TOXICOLOGICAL INFORMATION

#### SUSPECTED CANCER AGENT

This product's ingredient's are found on the following lists:

	<u>FEDERAL OSHA 2 LIST</u>	<u>NTP</u>	<u>IARC</u>	<u>CAL/OSHA</u>
ARSENIC	Y	Y	Y	Y
CHROMIUM	N	Y	Y	N
COPPER	N	N	N	N

IARC, NTP and OSHA do not consistently distinguish among arsenic and chromium species, but list inorganic arsenic and chromium as human carcinogens. The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence in humans for the carcinogenicity of wood dust group 1.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Inhalation exposure may aggravate pre-existing respiratory ailments. Skin contact may aggravate pre-existing dermatitis. Arsenic compounds can cause gastrointestinal and skin systemic effects upon ingestion. Arsenic compounds are acutely toxic by a subcutaneous route of exposure, such as through breaks in the skin.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms. Treat victims for arsenic pentoxide ( $\text{As}_2\text{O}_5$ ) and/or chromium trioxide ( $\text{CrO}_3$ ) exposure.

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### 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL STABILITY: Arsenic, Copper, and Chromium are stable in the environment. They do not decompose with time. Wood dust from cutting, processing, and sanding may contain Arsenic, Chrome or Copper.

EFFECT OF MATERIAL ON PLANTS or ANIMALS: Concentrations of heavy metals are known to be detrimental to plants or animals. Heavy metals are known to bio-concentrate in the food chain. No direct effect of CCA pressure treated wood on plant or vegetables has been submitted as harmful evidence to human consumption.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No evidence has proven pressure treated wood detrimental to marine life.

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### 13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by the handling, may be disposed of by means of a sanitary landfill facility or as advised by your local hazardous waste regulatory authority.

EPA WASTE NUMBER: NA

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### 14. TRANSPORTATION INFORMATION

THIS MATERIAL IS NON-HAZARDOUS NON-REGULATED AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION

<u>PROPER SHIPPING NAME:</u>	NA
<u>HAZARD CLASS NUMBER, DESCRIPTION:</u>	NA
<u>UN IDENTIFICATION NUMBER:</u>	NA
<u>DOT LABEL(S) REQUIRED:</u>	NA
<u>PACKING GROUP:</u>	NA
<u>EMERGENCY RESPONSE GUIDE NUMBER:</u>	NA

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## 15. REGULATORY INFORMATION

SARA REPORTING REQUIREMENTS: THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT.

TSCA INVENTORY STATUS: The chemicals in this compounds ARE NOT listed on the TSCA Inventory.

CALIFORNIA PROPOSITION 65: This product contains a product known to the State of California to cause cancer. Therefore all wood products shipped into California must carry the proper carcinogenicity warnings on labels and end-tags.

CERCLA REPORTABLE QUANTITIES (RQ): CCA pressure treated wood is not reportable under CERCLA standards.

STATE REGULATORY INFORMATION: The following chemicals in this product are covered under specific state regulations:

Alaska - Designated Toxic and Hazardous Substances: YES  
California - Permissible Exposure Limits for Chemical Contaminants: YES  
Florida - Substance List: YES  
Illinois - Toxic Substance List: YES  
Kansas - Section 302/313 List: YES  
Massachusetts - Substance List: YES  
Minnesota - List of Hazardous Substances: YES  
Missouri - Employer Information/Toxic Substance List: YES  
New Jersey - Right to Know Hazardous Substance List: YES  
North Dakota - List of Hazardous Chemicals and Reportable Quantities: YES  
Pennsylvania - Hazardous Substance List: YES  
Rhode Island - Hazardous Substance List: YES  
Texas - Hazardous Substance List: YES  
West Virginia - Hazardous Substance List: YES  
Wisconsin - Toxic and Hazardous Substances: YES

### LABELING (Precautionary Statements):



Handle in a well ventilated area.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

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## 16. OTHER INFORMATION

PREPARED BY:



Information contained in this MSDS refers only to the specific material designated and does not relate to any process or to use with any other materials. This information is furnished free of charge and is based on data believed to be reliable as of the date hereof. It is intended for use by persons possessing technical knowledge at their own discretion and risk. Since actual use is beyond our control, no guarantee, expressed or implied, and no liability is assumed by CSI in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe any patents.



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## **CCA TREATED WOOD HEALTH / SAFETY ALERT**

**HANDLING MAY CAUSE SPLINTERS  
TREATED OR UNTREATED WOOD DUST MAY CAUSE  
EYE, SKIN & RESPIRATORY IRRITATION**

**SOME UNTREATED WOOD SPECIES MAY CAUSE  
ALLERGIC SKIN OR RESPIRATORY EFFECTS IN  
SENSITIZED INDIVIDUALS.**

**OBSERVE GOOD HYGIENE AND SAFETY PRACTICES  
WHEN HANDLING THIS PRODUCT**

**DO NOT USE THIS PRODUCT UNTIL MSDS AND CIS  
HAVE BEEN READ AND UNDERSTOOD**

**WARNING:** Some forms of components of the liquid preservative used to manufacture this product (arsenic and chromium) have caused lung, skin and possibly other cancers in humans occupationally or environmentally overexposed. **Such exposures have not occurred with treated wood use.**

**DO NOT BURN IN OPEN FIRES, STOVES, FIREPLACE OR  
RESIDENTIAL BOILERS.**

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**DANGER**

Wood dust and splinters can cause eye damage, skin or mucous membrane irritation. Handle in a well ventilated area. Do not get freshly pressure-treated CCA-Type C wood on skin or in eyes.

Individuals in the work area where CCA Type C pressure-treated wood is being cut, sawed, etc., and proper ventilation is not provided, must wear properly fitting, well-maintained, high efficiency respirators, MSHA/NIOSH-approved. Air monitoring programs, procedures, record retention and submission must be conducted in accordance with the instructions and guidelines provided by OSHA.

**ENVIRONMENTAL HAZARDS**

For guidance contact your State Water Board or Regional Office of the EPA.

**CALIFORNIA PROPOSITION 65**

**WARNING:** This product contains a product known to the State of California to cause cancer.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near intense heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**HANDLING, STORAGE AND DISPOSAL**

Disposal in a sanitary landfill is permitted. Do not eat or drink while handling CCA Type C pressure-treated wood.

**WOOD DUST**

Wood dust, depending on species, may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. Wood dust is not listed as a carcinogen by IARC, NTP, ACGIH, or OSHA.

**STORAGE**

This product must be stored in a manner that will display a label properly identifying the product and its concentration.

**DISPOSAL**

Pesticide contaminated wastes are acutely hazardous. Improper disposal of excess residuals as a result of the treatment process at the treatment plant is considered hazardous and is a violation of Federal Law. If this waste cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CCA TYPE-C**  
**PRESSURE TREATED WOOD**  
**CHROMATED COPPER ARSENATE**

**ACTIVE INGREDIENTS**

	Oxide
Hexaveient Chromium as CrO <sub>3</sub> .....	0.3-4.0%
Copper as CuO .....	0.10-2.0%
Arsenic as As <sub>2</sub> O <sub>5</sub> .....	0.2-3.0%
INERT INGREDIENTS .....	.90-.99
TOTAL .....	100

**WARNING:**

Some forms of components of the liquid preservative used to manufacture this product (arsenic and chromium) have caused lung, skin, and possibly other cancers in humans occupationally or environmentally overexposed.

**STATEMENT OF PRACTICAL TREATMENT**

**IF SWALLOWED:**

Contact a physician or Poison Control Center for most current information. Do not induce vomiting or give anything by mouth to an unconscious person.

**IF IN EYES:**

Flush with plenty of water. Minimum flushing is for 15 minutes. Call physician. Victim must seek immediate medical attention.

**IF ON SKIN:**

Wash with plenty of soap and water. Get medical attention.

Refer to additional precautionary statements elsewhere on the label under the heading, "Precautionary Statements: Hazards to Humans and Domestic Animals" and the Consumer Information Sheet for CCA-C pressure-treated wood. Wash hands thoroughly after handling CCA-treated wood.  
-Avoid prolonged or frequent inhalation of airborne contaminants as a result of cutting or sawing treated wood whenever possible. These operations should be performed outdoors.

Manufactured By:



P. O. Box 1088

Valdosta, GA 31601-1088

Phone 912-333-2500 in case of emergency.

POST A COPY OF THIS LABEL IN THE STORAGE AND WORK AREA.

**SPECIFIC USE INSTRUCTIONS**

Do not attempt to use without implementing the necessary safety procedures and equipment. Impregnation procedures must rigidly adhere to the current specifications of the American Wood Preservers Association. Treated wood is provided protection against termites, ascomycetes, brown rot, dry rot and white rot.

Applicators at the treatment plant must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (e.g., handling freshly treated wood).

Provide good ventilation where wood dust conditions may occur to maintain healthful working conditions.

Applicators must not eat, drink or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation (e.g., handling freshly treated wood).

Processes used to apply inorganic and arsenical formulations shall leave no visible surface deposits on the wood, as defined by AWP/PA Standard C-1 (visible surface deposits means a surface residue or crystallization on the treated wood. Small isolated or infrequent spots of chemical on otherwise clean wood shall be allowed).

**WARRANTY STATEMENT**

Follow directions carefully. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.