

<p style="text-align: center;">US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460</p> <p><b>NOTICE OF PESTICIDE REGISTRATION</b> <i>Under the Federal Insecticide, Fungicide, and Rodenticide Act</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">EPA REGISTRATION NO.</td> <td style="width: 50%;">DATE OF ISSUANCE</td> </tr> <tr> <td colspan="2">TERM OF ISSUANCE</td> </tr> <tr> <td colspan="2">NAME OF PESTICIDE PRODUCT</td> </tr> </table>	EPA REGISTRATION NO.	DATE OF ISSUANCE	TERM OF ISSUANCE		NAME OF PESTICIDE PRODUCT	
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<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)</p> <div style="text-align: right; font-family: cursive; font-size: 1.2em;">             241901 161 1 18           </div>							
<p><b>NOTE:</b> Changes in labeling formula, differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>							
<div style="text-align: right; border: 2px solid black; padding: 5px; display: inline-block;"> <b>BEST AVAILABLE COPY</b> </div>							
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>							
<p>SIGNATURE OF APPROVING OFFICIAL</p> <p style="font-family: cursive; font-size: 1.2em;">[Signature]</p>	<p>DATE</p> <p style="font-family: cursive; font-size: 1.2em;">9/16/81</p>						

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

55102;I:CR-31;Ross;R-2;KENCO;8/30/89;10/15/89;dg;sw;vo;ek;dg;VO;CT

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

SL

Susan Lewis  
Acting Product Manager (21)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosures

COPPER SULFATE SOLUTION

FOR  
WOOD PRESERVATION

FOR COMMERCIAL USE ONLY

ACCEPTED  
with COMMENT  
in EPA Letter

12-15-

Product of the  
Copper Sulfate  
Solution for the  
Wood Preservation  
Industry  
Registered under EPA's  
258

ACTIVE INGREDIENTS

Copper Sulfate Pentahydrate

Metallic Copper Equivalent

INERT INGREDIENT

5.3%

75%

TOTAL 100%

KEEP OUT OF REACH OF CHILDREN

DANGER

DANGER: Causes severe eye and skin irritation. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes, or clothing. Protective clothing including goggles or face shield should be worn. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 to 2 glasses of water, milk, or Milk of Magnesia and induce vomiting by touch back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

NOTES TO PHYSICIANS: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

(SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS)

MANUFACTURED BY:

CSI

CHARLOTTE, NC 28217

EPA REG NO 10465-23

EPA EST NO 10465 NC 1

NET CONTENTS

GALLONS

Front Panel

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewer treatment authority. For guidance contact your State Water Board or the Regional Office of the EPA.

## DANGER

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Causes severe eye and skin irritation. Harmful if absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes, or clothing. Protective clothing including goggles or face shield should be worn. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## DIRECTIONS FOR USE

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

CSI Copper Sulfate solution is to be used to formulate a 204 CCA Type A or Type C solution for wood preservation, that will be impregnated into the lumber, millwork, poles, crossties, using a vacuum pressure system.

## TYPE C INSTRUCTIONS

To 2,610 gallons of water add 4,675 gallons of CSI Copper Sulfate Solution. Add 1,430 gallons of CSI Sodium Bichromate Solution. The final component to be added is 711 gallons of CSI Arsenic Acid (EPA Reg. No. 10465-24).

## TYPE A INSTRUCTIONS

To 2,558 gallons of water add 4,675 gallons of CSI Copper Sulfate Solution. Then add 223 gallons of CSI Sodium Bichromate Solution. The final component is to add 351 gallons of CSI Arsenic Acid (EPA Reg. No. 10465-24).

## CONDITIONS OF SALE AND WARRANTY

CSI warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. CSI MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of CSI. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL CSI BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING STORAGE OR USE OF THIS PRODUCT.

Left Side Panel.

CSI AVAILABLE ONLY

SPECIFIC USE INSTRUCTIONS  
For CA Type A and Type C Solutions

Contents for use only in pressure treating vessel for forest products cannot be used in concentrated form. Do not attempt to use without implementing the necessary safety equipment. To be used only in impregnation of forest products utilizing water solutions having concentrations ranging from 0.5% to 10% by weight. Impregnations 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 must wear gloves impervious to the wood treatment formulation in all situations where dermal contact is expected (e.g. handling freshly treated wood and manually opening cylinder doors).

Individuals who enter pressure treatment cylinders and other related equipment that is contaminated with the wood treatment solution (e.g. cylinders that are in operation or are not free of the treatment solution) must wear protective clothing, including overalls, jacket, gloves and boots, impervious to the wood treatment formulation. In addition, individuals who enter pressure-treatment cylinders must wear properly fitting well maintained, high efficiency respirators, MSHA/NIOSH-approved for inorganic arsenic, if level of inorganic arsenic in the plant is unknown or exceeds 10 micrograms per cubic meter of air ( $10 \mu\text{g}/\text{m}^3$ ) averaged over an 8-hour work period. Air monitoring programs, procedures and record retention and submission must be conducted in accordance with the instructions on the attached labeling material.

Applicators must not eat, drink or use tobacco products during those parts of the applications process that may expose them to the wood treatment formulation (e.g., manually opening/closing cylinder doors, moving trams out of cylinders, mixing chemicals and handling freshly treated wood).

Wash thoroughly after skin contact and before eating, drinking, use of tobacco products, or using restrooms.

Protective clothing must be changed when it shows signs of contamination. Applicators must leave protective clothing and workshoes or boots and equipment at the plant. Wornout protective clothing and workshoes or boots must be left at the plant and disposed of in a manner approved for pesticide disposal and in accordance with state and federal regulations.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to applicable Federal, State or Local procedures. Plastic containers: Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or incinerator, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Metal containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## AIR MONITORING PROGRAM

EPA requires that this information be attached to wood preservative labels. EPA allows wood treaters to elect the following Air Monitoring Program (to avoid having workers wear respirators at all times if arsenic levels are unknown, or exceed certain levels)

The Air Monitoring program consists of:

Each arsenical wood treatment plant employer shall require all employees potentially exposed to airborne inorganic arsenic to wear properly fitting, well maintained high efficiency filter respirators MSHA/NIOSH approved for inorganic arsenic for the entire period that the employees are in the treatment application work area or engaged in any activity associated with the treatment process. Alternatively, to potentially relieve employees from the burden of wearing respirators, the employer may implement a Permissible Exposure Limit (PEL) monitoring program.

All wood treatment plant employers who elect to implement the PEL monitoring program must determine the current levels of airborne arsenic, average over an 8-hour period, to which their employees are exposed. Monitoring data obtained one year prior to this implementation date may be used to determine the initial levels of airborne exposure to employees, if the data were obtained in the same manner as described below in the "Monitoring and Measurements Procedures" unit, and if the employer can certify that no changes have been made since the time of monitoring that could have resulted in new or additional employee exposure to inorganic arsenic including events on the "PEL Checklist" below.

If the initial or subsequent monitoring demonstrates that airborne inorganic arsenic in a work area is greater than  $10 \text{ ug/m}^3$ , all employees working in that area are required to wear properly fitting, well-maintained high efficiency filter respirators MSHA/NIOSH-approved for inorganic arsenic. If in subsequent monitoring, at least two consecutive measurements taken at least 7 days apart, the inorganic arsenic levels are below  $10 \text{ ug/m}^3$ , employees in those areas may discontinue the wearing of the respirators, except as discussed in the "PEL Checklist" below. However, if the employee exposure is above  $5 \text{ ug/m}^3$  and below  $10 \text{ ug/m}^3$ , the employer shall repeat monitoring at least every 6 months until at least two consecutive measurements, taken at least seven days apart, are below  $5 \text{ ug/m}^3$ . The employer may then discontinue monitoring, except as discussed in the "PEL Checklist" below.

If the monitoring reveals employees are exposed to airborne arsenic levels below  $5 \text{ ug/m}^3$ , the employer may then discontinue monitoring, except as discussed in the "PEL Checklist" below.

**PEL CHECKLIST.** In all cases where there has been a change in production, process, control, or employee handling procedures, or if any events in the PEL Checklist occurred, or if, for any other reason an employer should suspect new or additional airborne inorganic arsenic, additional monitoring that complies with the requirements for initial monitoring shall be completed. Responses to the Checklist will become part of the

monitoring records. Monitoring is required within 2 months if any of the following event/questions on the Checklist can be answered in the affirmative with respect to any events which may have occurred since the last monitoring report submitted to the Agency:

1. After the wood has been treated, have you changed from hand stacking to mechanic stacking or hand stacking to hand stacking? If yes, when?
2. Has your production capacity measured significantly? If yes, when?
3. Have you changed from a ready-to-use or dilute concentrate to a mix-it-yourself formulation? Have the proportional amount of arsenic in the solution increased, e.g., have you shifted from CCA type A or C to type B? If yes, when?
4. Has a significant, i.e., reportable under the "Comprehensive Environmental Response, Compensation, and Liability Act of 1980" (Superfund), 42 U.S.C. 9601 et seq., spill occurred? If yes, when?
5. Is treated wood being retained on the drip pad for less time? If yes, when?
6. Have there been any other production, process, control or employee handling procedure changes which would result in new or additional airborne inorganic arsenic? Identify change and when it occurred.

MONITORING AND MEASUREMENT PROCEDURES. The employer shall collect personal air samples, including at least one sample which is adequate to represent typical conditions for a full work shift (at least 7 hours) for each job classification in each work area. Sampling should be done using a personal sampling pump calibrated at a flow rate of 2 liters per minute. Samples should be collected on 0.8 micrometer pore size membrane filter (37 mm diameter). The method of sampling analysis should have an accuracy of not less than  $\pm 25\%$  (with a confidence limit of 95%) for micrograms per cubic meter of air ( $10 \mu\text{g}/\text{m}^3$ ) and  $\pm 35\%$  (with a confidence limit of 95%) for concentrations of inorganic arsenic between 5 and  $10 \mu\text{g}/\text{m}^3$ .

Monitoring may be conducted through a request made to the Occupational Safety and Health Administration (OSHA) for monitoring assistance which may be provided free of charge under the terms of the OSHA consultation program as provided under section 7(c) (1) of the OSHA Act, or by employees or contractors of the employer's choosing.

The Environmental Protection Agency (EPA) may direct that remonitoring take place at statistically selected establishments to assure that the Checklist is effective in identifying events which increase airborne arsenic. Selected employers will be notified by EPA/State enforcement representatives. The employer will be responsible for obtaining current air monitoring data within the time specified in the remonitoring notification and for submitting these data and reports to the EPA as described below.

**DATA SUBMISSION AND CERTIFICATION** The employer shall establish and maintain accurate records which include responses to the PEL checklist and all monitoring reports.

The annual records or copies thereof shall be submitted to the

U. S. Environmental Protection Agency  
Office of Pesticides and Toxic Substances  
Compliance Monitoring Staff (EN-117)  
701 M Street, S.W.  
Washington, D.C. 20460

All records submitted will be certified by the employer as accurate and in compliance with all calibration, analytical and sampling requirements outlined in this program. If the employer received assistance from an OSHA 7(c)(1) consultant, that consultant's report to the employer will be an acceptable record of calibration, analysis, and monitoring requiring no additional certification.