## **CCA-Treated Wood**

What Is CCA?	Chromated copper arsenate (CCA) is a water-soluble inorganic pesticide
	most commonly used as a wood preservative to make it resistant to attack
	by termites and fungi that cause decay. The wood is dipped in a solution of
	CCA and subjected to vacuum pressure to force penetration of CCA into
	the wood. CCA-treated wood is also referred to as <b>pressure-treated</b> wood
	and is known by the trade name Wolmanized <sup>®</sup> . Wood treated with CCA is
	used widely in outdoor structures such as decks, playground equipment,
	picnic tables, garden-bed borders and docks.
Pesticide Residue on the	Newly CCA-treated wood may have some pesticide residue left on the
Pressure-Treated Wood	wood surface from the treatment process. Because CCA is water-soluble,
Surface	rainwater can seep in and leach CCA onto the wood surface. Cracking of
	the wood as it ages speeds up the leaching process. The CCA residue can
	be wiped or dislodged from the wood surface and can stick to hands or
Contomination in Call From	clothing from contact with the wood surface.
Contamination in Soil From CCA-Treated Wood	Since CCA can be leached from CCA-treated wood by rainwater and
CCA-Treated wood	weathering, the soil beneath and adjacent to CCA-treated wood structures
	has been shown to be contaminated by arsenic, chromium, and copper. When decks built with CCA-treated wood was coated with a waterproof
	sealant the soil underneath had lower concentrations of the metals.
Concern About Children's	Young children are more at risk of exposure to CCA because they tend to
Exposure	spend more time playing outdoors, and because they have frequent hand-
	to-mouth activities. When playing on playground equipment or decks built
	with CCA-treated wood, they can be exposed to CCA by touching the
	CCA leachate on the wood surface with their hands and then inadvertently
	ingesting the CCA on their hands by hand-to-mouth activity. The amount
	of CCA leached on the surface of the wood depends upon the type of wood
	and the age of the structure. The amount ingested is also dependent upon
	the frequency of hand-to-mouth activity.
	Children may also be exposed to CCA in contaminated soil when playing
	under these structures by touching the contaminated soil with their hands
	and then placing them in their mouths.
Greatest Health Risk From	CCA leachate contains arsenic, chromium, and copper. Available
CCA - Exposure to Arsenic	information suggests that exposure to the arsenic in CCA-treated wood
	poses the greatest potential health risk. However, there is great uncertainty
	regarding the exposure dose that results from contact with CCA-treated
<b></b>	wood.
How To Prevent Exposure	The following measures can prevent or reduce exposure to CCA:
to CCA	
	• When working with CCA-treated wood, wear dust masks, gloves,
	and protective clothing to decrease exposure to sawdust (ATSDR
	2007).
	• Apply a sealant every one to two years to CCA-treated wood
	structures to reduce direct contact with the wood preservative
	(CDPH 2007; CPSC 2006).

	• Do not allow children to play under CCA-treated wood decks, and encourage them to wash up after playing on decks or playground equipment.
	• Use alternative building materials, such as plastics and hardwood, for outdoor structures (EPA 2008).
	• Cover CCA-treated wood used for garden-bed borders with heavy plastic
Safe Handling and Disposal	• Retail stores that sell CCA-treated wood should have copies of the consumer information sheet that describes safe handling recommendations.
	• CCA-treated wood may be disposed of as ordinary household trash, but do not burn CCA-treated wood because toxic chemicals would be released into the air or remain in the ashes (EPA 2008).
	• Do not use CCA-treated wood as mulch or wood chips. Do not put sawdust from CCA-treated wood in the composting pile

**REFERENCES**:

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