



CCA-Concentrate 60%

Product Stewardship Summary

June 2009

Product Name:	CCA-Concentrate 60%
CAS Name (active ingredient)	Chromic Acid (CA) Copper Oxide (CO) Arsenic Acid (AA)
Synonyms	Chromated Copper Arsenate
CAS Number	CA - 7738-94-5 CO - 1317-38-0 AA - 7778-39-4
EPA Registration Number	62190-14

- *General Description.* This product is a concentrated liquid solution of chromic acid, copper oxide, and arsenic acid. CCA is registered for wood treatment by the U.S. EPA under the Federal Insecticide, Fungicide, and Rodenticide Act.
- *Manufacture.* During production, potential exposure to the concentrate by humans and the environment is controlled and confined through strong industrial hygiene protocols and processes, engineering of the manufacturing equipment, and use of personal protective equipment.
- *Applications.* CCA is sold to wood preservation companies with appropriate pesticide applicators licenses. It is used in the pressure-treatment of lumber, plywood, timbers, and poles for industrial, utility, agricultural, marine, highway, and other applications.
- *Benefits.* Wood treated with CCA is resistant to termite damage and fungal decay, resulting in a practical and economical building material for exposed settings. By increasing the longevity of wood, this

preservative makes structures safer and longer lasting. It extends the life of a readily available resource (which is sustainable), sequesters carbon (which reduces greenhouse gases), and requires less energy to manufacture than alternative materials.

- *Likelihood of Exposure.* Although most transfers of the concentrated chemical are contained in enclosed spaces, exposure to the chemical could occur at a manufacturing facility, treating plant, and site of an accidental release during shipment. After treatment, a large percentage of the chemical becomes part of the wood, although small amounts may leach from wood. For exposures to treated wood, see Material Safety Data Sheets on the finished product.
- *Risk Management.* This concentrated product is not for sale to the consumer. It is used for industrial use and application only. The population that is exposed to the concentrate is highly trained and wears the proper personal protective equipment to control the hazards. Applicators should carefully read and follow all label directions. The amount contained in wood products does not pose a significant health or environmental hazard.
- *General Precautions.* CCA Concentrate 60% is considered to be highly toxic if ingested, inhaled and if contacted with the skin.

The concentrated liquid is corrosive to the skin and eyes on contact. Any contact with the skin or eyes should be immediately washed off and medical attention should be sought.

CCA Concentrate 60% is not identified as a skin allergen; however, dermal contact in some sensitive individuals may cause allergic skin reactions.

CCA Concentrate 60% is not known or reported to be mutagenic. Two components of this product, Chromic Acid and Arsenic Acid, when evaluated separately in laboratory animals, have been shown to produce developmental toxicity at doses that caused significant toxicity in the pregnant dams.

CCA Concentrate 60% contains Chromic Acid and the insoluble

forms of hexavalent chromium have been shown to be a human carcinogen from inhalation exposures, where other routes of exposure are not classifiable to its carcinogenicity. CCA Concentrate 60% also contains Arsenic Acid and the International Agency for Research on Cancer (IARC) has classified inorganic arsenic as carcinogenic to humans.

CCA-Concentrate 60% is considered to be toxic to aquatic organisms and aquatic plants.

For additional information, please visit our web site at www.archchemicals.com and click on "Contact Us".

This summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to be, and should not be relied upon as, a substitute for the detailed health and safety information contained in the Material Safety Data Sheet (or any other required hazard communication material) for this product, which should be consulted before use of the chemical or treatment for exposure. As with any product, it is very important to read and carefully follow all label directions and warnings. This summary does not supplant or replace required regulatory and/or legal communication documents.