



Copper Azole

Product Stewardship Summary

April 2008

CAS Name	Mixture
CAS Number	NA
EINECS Number	NA

- *General description.* Copper Azole is a bluish-colored liquid consisting primarily of copper with a small amount of carbon-based tebuconazole and propiconazole fungicide. Copper Azole 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 tightly controlled and confined through strong industrial hygiene protocols and processes, engineering of the manufacturing equipment, and the use of personal protective equipment.
- *Applications.* This product in liquid form is not sold to consumers. Wood products are impregnated with Copper Azole through pressure treatment in licensed facilities.
- *Benefits.* Wood treated with Copper Azole protects against damage from termites and fungal decay. Such treatments enable lumber, plywood, and timbers to last for decades in exterior applications such as decks, fences, walkways, landscaping, outdoor furniture, posts, and building columns. By increasing the longevity of wood, this preservative makes structures safer; and because fewer natural resources are used, reduces the impact on the environment.
- *General precautions.* Copper Azole is not classified as a skin sensitizer. However, Copper Azole as a liquid concentrate can

cause irritation and/or burns to the skin and eyes and must be rinsed off immediately to avoid serious injury. The irritation and/or burns will not occur from handling treated wood.

Based on toxicological evaluations and risk assessments of the product components, Copper Azole is not expected to be genotoxic, not cause reproductive or developmental toxicity, nor be carcinogenic.

Copper Azole as an unapplied concentrate could be moderately toxic and based on the inhalation toxicity of its components, the calculated inhalation toxicity indicates that it could also be moderately toxic if inhaled. In addition, laboratory studies of the components present in Copper Azole indicate that chronic exposure to concentrated Copper Azole liquid may result in liver and kidney damage. These effects are not likely to occur when used at the recommended concentrations in impregnated wood.

Based on evaluations of the active components of the product, concentrated Copper Azole is expected to be toxic to fish and other aquatic organisms. However, the concentrate is only applied to wood thus greatly reducing the chance for this route of exposure. Once impregnated into wood products, the potential for significant aquatic effects is not considered likely.

- *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, though small amounts may leach from wood. For exposures to treated wood, see Material Data Safety Sheets on the finished products.
- *Risk management.* This product is not for sale to the consumer. It is 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.

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 amend, modify, or replace required regulatory and/or legal communication documents.