



Dricon® Fire Retardant

Product Stewardship Summary December 2009

Product Name:	Dricon® Fire Retardant
Synonyms:	None
CAS Name & Number	Not Applicable – this is a mixture
EINECS Number	Not Applicable – this is a mixture

- *General Description.* This chemical, when pressure impregnated into wood, enhances the properties of wood, especially resistance to the spread of flame.
- *Manufacture.* It is manufactured in Valparaiso, IN, in a granular form.
- *Applications.* After being mixed with water, the liquid solution is applied by pressure treatment to lumber or plywood. The resulting wood products are used for buildings and structures, generally commercial, institutional, and multi-family projects, where supplemental protection against fire is required or desired.
- *Benefits.* Dricon® fire retardant treated wood reduces flame spread and generates less smoke than ordinary wood. This enables wood to meet fire codes and decrease the risk of damage and injury should a fire strike. Additionally, when used in indoor applications, this wood offers resistance to termite damage and fungal decay.
- *General Precautions.* Dricon® fire retardant may cause mild skin irritation and moderate to severe irritation to the eye. However, these effects are reversible and are not expected to result in permanent damage. Inhalation of dust may cause mucous membrane irritation of the respiratory tract. Ingestion of this material may cause gastrointestinal discomfort.

Based on an evaluation of the individual components, Dricon® fire retardant is not reported to damage genetic material and is not expected to be a mutagen. It is not reported to be a cancer-causing agent.

A boron-containing component of this product has been evaluated in several laboratory animal species and fetotoxicity was observed at maternally toxic doses in one species. Based on this data, the concentrated form of Dricon® fire retardant may have the potential to impair reproductive performance, fertility, or fetal development.

Based on testing of the active components of Dricon® fire retardant, the concentrate may be moderately toxic to fish and other aquatic organisms. However, the concentrate is diluted 5 to 15 fold and only this diluted form is applied to wood, therefore greatly reducing the chance for significant discharge in to waterways. Once impregnated into wood products, the potential for significant aquatic effects is not considered likely. The diluted treating solution of the product is considered practically non-toxic to fish and other aquatic organisms.

- *Likelihood of exposure.* Although transfers of the concentrated chemical are contained in closed systems, 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.