bcc: J. D. Rode

March 23, 1970

MR. G. T. RUSSELL
PURCHASING AGENT
TEXTILE FIBERS DEPARTMENT
SEAFORD PLANT

Your letter of August 27, 1969, requesting toxicological and safe handling information of various Du Pont products has been passed along to me for reply.

The composition of Mahogany Oil Stain 307-766 and Walnut Oil Stain 307-767 differs in no important respect from that of many similar representatives of this class of products. They contain alkyd resins, pigments, and a mixture of solvents, the predominent fraction being mineral spirits. The alkyd resins have no important toxicological properties. The solvents are capable of drying the skin by dissolving the natural fats. Prolonged and repeated skin contact should be avoided.

Excessive inhalation of the solvent vapors may produce irritation of the nose and eyes; and if prolonged, can produce narcosis. They have no important systemic toxic effects. Complete recovery occurs after a person is removed from contaminated air.

These products also contain driers which are commonly used, and the history regarding their health aspects has been good over the years. We, particularly, should point out that lead tallate is present. The American Conference of Governmental Industrial Hygienists established a Threshold Limit Value of 0.2 mg/m^3 of air. It is, therefore, recommended that adequate ventilation be provided for operations utilizing products containing lead.

Soil Retardant Finish Concentrate VM-5642 is essentially a mixture of colloidal silica in water. Silica in the solid form has been shown to be the cause of respiratory ailments (silicosis) which results from continuous exposure of workmen inhaling such dust. History in using formulated silica containing paints has been good over the years. It is recommended that if the product is applied by spray application, inhalation of the vapors should be avoided.

You requested information on a product denoted Diamond Lapping Compound. This product is unknown to us; and therefore, we can provide no information on it.

A. B. HASELOW
TOXICITY COORDINATOR

ABH/jag