

Global Lifescience Solutions

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July 13, 2007

Attn: Fred Williard
CAS-MI Laboratories
430 W. Forest Ave.
Ypsilanti, MI 48197

RE: Formulation Review of Idea Paint Dry Erase Coating Formula 32807

Dear Mr. Williard:

CAS-MI Laboratories (Client) has requested that Global Lifescience Solutions,™ LLC (GLS) provide a letter of opinion addressing any potential health issues that may arise following exposure to the end use paint product when applied according to the manufacturer's instructions.

The Client provided GLS with MSDS sheets from which to assess the potential safety of the end use product following application. The MSDS for each component of the formulation did not have specific chemical names and Chemical Abstract Services (CAS) numbers from which to make an assessment, but did list the general class of chemical compound. The safety assessment, as provided by GLS, is based on the general class of compounds provided on the MSDS and not on the specific chemical component within the formulation.

The user of the Idea Paint Dry Erase Coating Formula 32807 must follow the manufacturer's instructions for personal contact. Adequate personal protective equipment should be used when in contact with the paint product before it has adequately dried.

Based on the intended end use of the product as provided by the Client, the end users are potentially exposed to the components of the paint through either the inhalation and/or the dermal route. The end use product is not intended to be ingested. Based on the composition, the solvent components would likely be the only components that have the potential to be inhaled. The liquid product contains a solvent mixture that used as a vehicle for the liquid paint product and affects its viscosity for purposes of application. However, based on information provided by the client, as well as general information on the use of solvents in other paint products, the solvent mixture is not expected to be present once the paint product dries. Therefore, exposure via the inhalation route to solvents is expected to mostly occur when the paint has not fully dried and exposure to any solvents once the paint has dried would be minimal, if at all.

The [redacted] proprietary component used in the formulation is a standard compound found in many interior paint products. The [redacted] proprietary component reacts with [redacted] proprietary component to form a [redacted] proprietary coating. Once the curing of the liquid product has gone to completion, no [redacted] proprietary component is expected to remain in the final product based on information provided by the Client. The [redacted] proprietary materials are commonly used in many coatings and other products used in the marketplace. Some [redacted] materials similar to the proprietary material have clearance to be used in contact with certain

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types of food products. However, this specific [proprietary component] is not intended or approved for food contact. The main toxicological concern associated with [the proprietary component] is the monomer form, especially when inhaled, which can potentially be inhaled when applying such products as spray paints. However, the form that is currently used in the Idea Paint Dry Erase Coating Formula 32807 is the polymeric form. There is a minor amount of residual monomer within the liquid polymer, but is not expected to be in the final dried product at significant levels and any remaining monomer would likely be encapsulated within the [proprietary component] and would not expect to migrate at significant levels, if at all. The other main component of the Idea Paint Dry Erase Coating Formula 32807 is titanium dioxide. Titanium dioxide is a pigment used to produce a white color. Some grades of titanium dioxide are approved for direct food contact uses. However, the specific grade of titanium dioxide used in the Idea Paint Dry Erase Coating Formula 32807 has not necessarily been approved or evaluated for food contact. Other components of the paint are minor colorants, accelerators, and fillers, all of which will likely be encapsulated in the final dried polyurethane and will not likely migrate at significant levels. Therefore, exposure to these minor components would be minimal, if at all.

Overall, the formulation for the Idea Paint Dry Erase Coating Formula 32807 does not appear to present a significant health risk when used under the manufactures instructions and the formulation is consistent with other paint products used in the marketplace.

Respectfully submitted,



Mark Jackson
Senior Scientist