

MICHIGAN DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT

---

INTEROFFICE COMMUNICATION

TO: File for Polyvinyl butyral (CAS # 63148-65-2)

FROM: Mary Lee Hultin, Toxics Unit

DATE: April 28, 2010

SUBJECT: Screening Level for Polyvinyl butyral (CAS # 63148-65-2)

The following references or databases were searched to identify data to determine the screening level: U.S. Environmental Protection Agency (EPA) Integrated Risk Information System (IRIS), National Institute for Occupational Safety and Health (NIOSH) Registry for Toxic Effects of Chemical Substances (RTECS), American Conference of Governmental and Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), Michigan Department of Natural Resources and Environment (DNRE) library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1968 - Feb 2008), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report. The CAS and NLM searches were performed in February, 2010.

Toxicity studies are sparse in the published literature suitable for use in health risk assessment for this chemical. A few studies published in Russian note there may be some bronchopulmonary impacts on workers spray applying this material, however nothing sufficient for use in screening level derivation. Therefore, the screening level for this compound is set at the trace value of 0.1 ug/m<sup>3</sup> as per Act 451, R232.1.(i).

MLH:lh