

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

TO: Alcohols C8-18 ethoxylated propoxylated file (CAS # 69013-18-9)  
FROM: Gary Butterfield  
SUBJECT: Screening level for Alcohols C8-18 ethoxylated propoxylated  
DATE: May 25, 2007

Alcohols C8-18 ethoxylated propoxylated are one of the group of non-ionic surfactant materials.

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 Environmental Quality (DEQ) library, International Agency for Research on Cancer (IARC) Monographs, Chemical Abstract Service (CAS) Online (1968 - May 2007), National Library of Medicine (NLM) - Toxline, and National Toxicology Program (NTP) Status Report.

The CAS and NLM on-line literature searches were conducted on May 22, 2007. No toxicity studies have been published for this specific chemical. There is a review report on other similar alcohol ethoxylate surfactant by Talmage (1994) that briefly describes toxicity data for other alcohol ethoxylates.

Due to the fact that there is no toxicity data available for the specific alcohols C8-18 ethoxylated propoxylated, the screening level will be set at  $0.1 \text{ ug/m}^3$  with annual averaging based on the default screening level under R232(1)(i).

References:

Talmage. 1994. Environmental and human safety of major surfactants, alcohol ethoxylates and alkylphenol ethoxylates. A report to the Soap and Detergent Association.