Health Canada determined that forestomach tumors observed in rodents do not justifiy listing ethyl acrylate as CEPA-Toxic in 2010.

Disclaimers

Health Canada determined in 2010 that ethyl acrylate does not meet the criteria for inclusion under Section 64 of the Canadian Environmental Protection Act as “CEPA-Toxic.” BAMM submitted extensive hazard and exposure information to support Health Canada’s assessment, and also submitted a subsequent letter supporting Health Canada’s conclusion that no listing as CEPA-toxic and no further regulatory actions were warranted.

Health Canada found that forestomach tumors were observed in rodents (rats and mice) only following sustained forestomach hyperplasia resulting from daily administration of ethyl acrylate by oral gavage for two years, but that no tumors were induced by any other route of exposure, including oral (drinking water), inhalation and dermal. The assessment also found that current studies indicate that ethyl acrylate is unlikely to be mutagenic. Based on these findings, the assessment concluded that a threshold approach is appropriate to characterize any potential risk posed by ethyl acrylate to human health. Applying such a threshold approach, the screening assessment determined that margins of exposure to ethyl acrylate from environmental media, food and the use of consumer products are adequate to protect human health, taking into account uncertainties in the toxicity information and exposure databases, such that no further action and no CEPA-toxic listing were warranted.

Reference:


Disclaimer

This document is not intended to be comprehensive. It is provided solely as background information and should not substitute for an up-to-date Safety Data Sheet or research should specific regulatory or other legal questions arise. It is not intended to be a statement of legal requirements when using or handling acrylates. Although the information is believed to be accurate as of the last update, new information may become available and regulations frequently change, and no warranty, expressed or implied, is made concerning the contents. In addition, many states and localities adopt their own regulations, which are not covered by this summary or on the BAMM website. In all events, the user should consult applicable laws and regulations, as well as their supplier’s Safety Data Sheet, for current information and requirements. NO WARRANT OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN.