

# **BASIC ACRYLIC MONOMER MANUFACTURERS, INC.**

## **Health Canada Determined That Forestomach Tumors Observed in Rodents Do Not Justify Listing Ethyl Acrylate as CEPA-Toxic in 2010**

**(Last Updated: 4/3/12)**

### **Disclaimer**

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.” BMM 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:**

1. Chemical Management Plan Batch 11 Draft Screening Assessment for Ethyl Acrylate, CAS No. 140-88-5, published October 2, 2010 in the Canada Gazette Part I.
2. Screening Assessment for the Challenge: 2-Propenoic acid, ethyl ester (Ethyl acrylate). Chemical Abstracts Service Registry Number 140-88-5. Environment Canada, Health Canada. September 2011. <http://www.ec.gc.ca/ese-ees/default.asp?lang=En&n=21358CCD-1>

### **Disclaimer**

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