

201-16203

**American  
Chemistry  
Council** *Good Chemistry  
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February 8, 2006

Stephen L. Johnson  
Administrator  
U.S. Environmental Protection Agency  
P. O. Box 1473  
Merrifield, VA 22116

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EPA  
06 FEB 14 AM 7:53

RE: Ethylbenzene Panel. Robust Summaries for Polyethylbenzene Bottoms  
Under the HPV Challenge Program. CAS Number 68987-42-8

Dear Mr. Johnson:

On December 5, 2003, the American Chemistry Council Ethylbenzene Panel (Panel) submitted a Test Plan under the High Production Volume (HPV) Chemical Challenge Program pertaining to the Polyethylbenzene Bottoms (CAS number 68987-42-8). With this letter, the Panel submits robust summaries for the following studies:

- Freezing Point Range (called melting point in test plan)
- Vapor Pressure
- Boiling Point
- Bacterial Reverse Mutation Test
- In Vitro Mammalian Chromosome Aberration Test
- Combined Repeated Dose Toxicity Study with Reproductive/Developmental Toxicity Screening Test
- Water Solubility
- Partition Coefficient
- Photodegradation
- Transport (called fugacity in test plan)
- Stability in Water (called hydrolysis in test plan)
- Acute Daphnia Toxicity Test

Three planned studies are not yet completed due to technical difficulties with their conduct. These studies are ready biodegradability, acute algae toxicity and acute fish toxicity. The Panel expects to complete these three studies in the first quarter of 2006 and will submit robust summaries for the studies as soon as they are completed.

The following companies sponsored Polyethylbenzene Bottoms in the HPV Challenge Program: Chevron Phillips Chemical Company LP, The Dow Chemical Company, Innovene U.S.A. LLC (formerly BP Amoco Chemical Company), Lyondell Chemical Company, NOVA Chemicals Inc., and TOTAL PETROCHEMICALS, Inc. (formerly ATOFINA Petrochemicals Inc.).



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If you have any questions, please contact Elizabeth Moran, Manager of the Ethylbenzene Panel, at 301 924 2006 or [Elizabeth\\_Moran@americanchemistry.com](mailto:Elizabeth_Moran@americanchemistry.com).

Sincerely Yours,

Has Shah  
Acting Vice President  
CHEMSTAR

Attachments