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Elizabeth_Moran@americanchemistry.com on 08/06/2002 10:12:07 AM

2002 AUG -6 PM 4:50

To: NCIC OPPT/DC/USEPA/US@EPA, hpv.crtk@epamail.epa.gov, Rtk Chem/DC/USEPA/US@EPA, Charles Auer/DC/USEPA/US@EPA, Richard Hefter/DC/USEPA/US@EPA

cc:

Subject: Submission of Robust Summaries Under HPV Challenge Program

Attached is a cover letter and robust summaries for calculated parameters on the Olefins Panel's Low Butadiene C4 Category under the HPV Chemical Challenge Program. Because there are 14 large files in this submission, I will be sending it in 3 email messages.

(See attached file: Whitman Cover Letter 7-25-02.pdf)(See attached file: Crude Butadiene C4 Robust Summary alga.pdf)(See attached file: Crude Butadiene C4 Robust Summary biodegradation.pdf)(See attached file: Crude Butadiene C4 Robust Summary boiling point.pdf)(See attached file: Crude Butadiene C4 Robust Summary daphnid.pdf)

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- Crude Butadiene C4 Robust Summary daphnid.pdf

August 1, 2002

Christine Todd Whitman, Administrator
U.S. Environmental Protection Agency
P. O. Box 1473
Merrifield, VA 22116

RE: Olefins Panel Robust Summaries on HPV Crude Butadiene C4 Category
HPV Registration No.

Dear Ms. Whitman:

The American Chemistry Council Olefins Panel (Panel) submitted a Test Plan to EPA on May 4, 2000, under the High Production Volume (HPV) Chemical Challenge Program pertaining to the Crude Butadiene C4 Category. With this letter, the Panel submits robust summaries of certain calculated parameters under the test plan. The Panel also provides an update on the status of reporting for this HPV category.

The Test Plan for the Crude Butadiene C4 category included technical discussions to address aquatic toxicity, photodegradation, hydrolysis, and biodegradation and the calculation of fugacity. Physicochemical data would also be calculated as described in the EPA document titled, *The Use of Structure-Activity Relationships (SAR) in the High Production Volume Chemicals Challenge Program.* Robust summaries for this information are listed in attachment and are enclosed.

The Test Plan also proposed using data from other test programs under the OECD SIDS or HPV Challenge Program to complete characterization of the toxicity of the streams in this category. The Panel plans to submit a report on the category after the data to fully characterize the category are available under these programs.

If you have any questions, please contact Dr. Elizabeth Moran, Manager of the Olefins Panel at 301 924 2006 or Elizabeth_Moran@americanchemistry.com.

Sincerely yours,

Courtney M. Price
Vice President, CHEMSTAR

attachments
cc: C. Auer (EPA)
O. Hernandez (EPA)
J. Keith (ACC)

Attachment 1
Robust Summaries for Calculated Parameters
For Olefins Panel Crude Butadiene C4 Category

Calculated Vapor Pressure
Calculated Boiling Point
Calculated Melting Point
Calculated Water Solubility
Calculated Partition Coefficient
Calculated Biodegradation
Calculated Transport/Distribution (Fugacity)
Calculated Hydrolysis (Stability in Water)
Calculated Photodegradation (Direct)
Calculated Photodegradation (Indirect)
Calculated Daphnid Acute Toxicity
Calculated Fish Acute Toxicity
Calculated Alga Toxicity

Elizabeth_Moran@americanchemistry.com on 08/05/2002 10:15:21 AM

To: NCIC OPPT/DC/USEPA/US@EPA, hpv.crtk@epamail.epa.gov, Rtk Chem/DC/USEPA/US@EPA, Charles Auer/DC/USEPA/US@EPA, Richard Hefter/DC/USEPA/US@EPA

cc:

Subject: Submission of Robust Summaries Under HPV Challenge Program - 2nd email

Attached is the second batch of robusts summaries on calculated parameters for the Olefins Panel's C4 Crude Butadiene category under the HPV Challenge Program

(See attached file: Crude Butadiene C4 Robust Summary fish.pdf)(See attached file: Crude Butadiene C4 Robust Summary hydrolysis.pdf)(See attached file: Crude Butadiene C4 Robust Summary melting.pdf)(See attached file: Crude Butadiene C4 Robust Summary partition.pdf)

- Crude Butadiene C4 Robust Summary fish.pdf
- Crude Butadiene C4 Robust Summary hydrolysis.pdf
- Crude Butadiene C4 Robust Summary melting.pdf
- Crude Butadiene C4 Robust Summary partition.pdf

Elizabeth_Moran@americanchemistry.com on 08/05/2002 10:17:25 AM

To: NCIC OPPT/DC/USEPA/US@EPA, hpv.crtk@epamail.epa.gov, Rtk Chem/DC/USEPA/US@EPA, Charles Auer/DC/USEPA/US@EPA, Richard Hefter/DC/USEPA/US@EPA

cc:

Subject: Submission of Robust Summaries Under HPV Challenge Program - 3rd email

Here are the third batch of robust summaries for the Olefins Panel's Crude Butadiene C4 category under the HPV Challenge Program

(See attached file: Crude Butadiene C4 Robust Summary Photode direct.pdf)
(See attached file: Crude Butadiene C4 Robust Summary photode indirect.pdf)
(See attached file: Crude Butadiene C4 Robust Summary transport.pdf)(See attached file: Crude Butadiene C4 Robust Summary vapor.pdf)(See attached file: Crude Butadiene C4 Robust Summary water.pdf)

- Crude Butadiene C4 Robust Summary Photode direct.pdf
- Crude Butadiene C4 Robust Summary photode indirect.pdf
- Crude Butadiene C4 Robust Summary transport.pdf
- Crude Butadiene C4 Robust Summary vapor.pdf
- Crude Butadiene C4 Robust Summary water.pdf