

EXXON CHEMICAL AMERICAS



8EHQ-1090-1061 FLWP

Environmental Affairs Department

C. T. Seay  
MANAGER

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ATTN: Section 8(e) Coordinator  
Office of Toxic Substances  
US Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

OTS DOCUMENT RECEIPT OFFICE  
90 OCT 12 AM 7:55

RE: Addendum to Notification of Substantial Risk Under TSCA 8(e)

Dear Sir:

On August 15, 1990, Exxon Chemical Company submitted a TSCA Section 8(e) Notice of Substantial Risk for 1,4-Hexadiene (CASRN 592-45-0). That notice reported unexpected mortality in mice during the conduct of a range finding study for a micronucleus assay by the inhalation route.

We have now completed the in vivo mouse bone marrow micronucleus assay, and the results indicate a statistically significant increase in micronuclei in mice exposed to cis 1,4-Hexadiene at both 500 and 1000 ppm. The absolute magnitude of the response at either exposure level was minimal, thus we believe the biological significance of these findings is questionable. Nevertheless, since this is new information relating to this chemical, we are reporting this information to you for inclusion in your dossier for 1,4-Hexadiene.

As stated in our August 15 letter, this material is currently being used only for developmental purposes in our organization. We have notified laboratory and other potentially exposed individuals of these findings. Appropriate procedures and personal protective equipment are being used by those who could be exposed in the workplace.

We have enclosed a summary of the data currently available, and will send copies of the final reports when they become available.

EAMHS095

P.O. Box 3272, Houston, Texas 77253-3272

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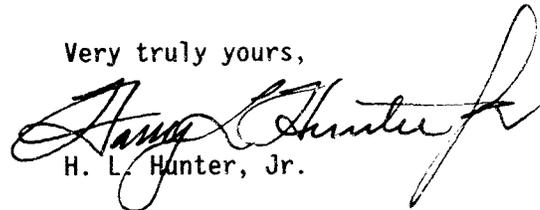
October 8, 1990

Any questions regarding this additional information should be referred to either of the following individuals:

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Very truly yours,



H. L. Hunter, Jr.

HLH:skm

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