LYONDELL

One Houston Center, Suite 700
1221 McKinney Street
Houston, Texas 77010
Phone: 713.309.7884
Fax: 713.951.1574
timothy.yagley@lyondell.com

RECEIVED
OPPT NCIC
05 AUG 19 AM 10:47

8EHQ-0805-16156

July 25, 2005

Document Processing Center (7407M)
EPA EAST - Room 6428
Office of Pollution Prevention and Toxics
United States Environmental Protection Agency
1201 Constitution Avenue, NW
Washington DC ~~20000~~ 20460-0001

Contain NO CBI

RECEIVED
OPPT NCIC
2005 SEP -6 AM 9:36

Attention: TSCA 8(e) Coordinator

RE: t-Butyl Acetate – 14 Day Inhalation Study in Mice

Dear Sir or Madam:

Lyondell Chemical Company (Lyondell) hereby submits this letter pursuant to Section 8(e) of the Toxic Substances Control Act (TSCA) and EPA's 1991 Section 8(e) Reporting Guide because it includes findings that EPA may consider reportable. On the first day of an intended 14 day inhalation exposure in mice, all males exposed to 3000 ppm of t-butyl acetate for 6 hours had impaired coordination, were ataxic, hypoactive and/or prostrate during and after exposure. There were no clinical signs the next morning, and necropsy after 14 days showed no gross abnormalities. Lyondell has not made a determination as to whether a significant risk of injury to health or the environment is actually presented by these findings.

A copy of the unaudited data tables are enclosed for your review. The study final report will be provided to EPA, once it becomes available.

t-Butyl acetate is being tested pursuant to the agreement between EPA and Lyondell, as outlined in 69 FR 69304.

Should you have any questions or require additional details, please do not hesitate to call me at 713-309-7884. I may also be reached by e-mail at timothy.yagley@lyondell.com.

Sincerely,

Timothy J. Yagley

8EHQ-05-16156

Timothy J. Yagley
Senior Product Safety Specialist – Regulatory
Corporate TSCA Coordinator
Lyondell Chemical Company

Enclosure

Cc: TSCA 8(e) Files

88050000362

288489

PROJECT NO.:WIL-14053M
SPONSOR:LYONDELL CHEMICAL

A 2-WEEK INHALATION STUDY OF TERTIARY-BUTYL ACETATE IN MICE
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

----- M A L E -----

TABLE RANGE: 06-27-05

GROUP:	1	2	3	4	5	6
AT TIME OF DOSING						

1- 0 PPM 2- 190 PPM 3- 375 PPM 4- 750 PPM 5- 1500 PPM 6- 3000 PPM

PCSUv4.06
07/01/2005

PROJECT NO.:WIL-14053M
SPONSOR:LYONDELL CHEMICAL

A 2-WEEK INHALATION STUDY OF TERTIARY-BUTYL ACETATE IN MICE
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

----- M A L E -----

TABLE RANGE: 06-27-05

GROUP:	1	2	3	4	5	6
	~~6 HOURS POST DOSE~~ Post-Exposure (≈ 40min)					
BEHAVIOR/CNS						
-HYPOACTIVITY	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/ 4
-IMPAIRED EQUILIBRIUM	0/ 0	0/ 0	0/ 0	0/ 0	2/ 2	5/ 5
-TWITCHING	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
CARDIO-PULMONARY						
-RESPIRATION LABORED	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	5/ 5
EYES/EARS/NOSE						
-RED DISCHARGE LEFT EYE	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
-RED DISCHARGE RIGHT EYE	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1
DERMAL OBS						
-WET YELLOW MATERIAL HINDLIMB(S)	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1

1- 0 PPM 2- 190 PPM 3- 375 PPM 4- 750 PPM 5- 1500 PPM 6- 3000 PPM

PROJECT NO.:WIL-14053U
SPONSOR:LYONDELL CHEMICAL

A 2-WEEK INHALATION STUDY OF TERTIARY-BUTYL ACETATE IN MICE
SUMMARY OF CLINICAL FINDINGS: TOTAL OCCURRENCE/NO. OF ANIMALS

----- M A L E -----

TABLE RANGE: 06-27-05

GROUP:	1	2	3	4	5	6
BEHAVIOR/CNS						
-CYCLE OF HYPOACTIVITY FOLLOWED BY HYPERACTIVITY	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 2
-PROSTRATE	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1

1- 0 PPM 2- 190 PPM 3- 375 PPM 4- 750 PPM 5- 1500 PPM 6- 3000 PPM

PCSUv4.06
07/01/2005

Unscheduled Observations during exposure