

8EHQ-0502-15141

Certified Mail 7099 3220 0011 1248 6306
Return Receipt Requested

RECEIVED
OPPT CBIC

2002 MAY 16 AM 6:21

58883

May 6, 2002

Attention: 8(e) Coordinator
U. S. Environmental Protection Agency
Document Control Officer
Office of Pollution Prevention and Toxic Substances, 7407
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Contain NO CBI

Ladies and Gentlemen:

Subject: Notice in Accordance with TSCA Section 8(e) --Results of a 3-Month
Toxicity Study in Rats with 6-methylhept-5-en-2-one (CAS No. 110-93-0)

BASF Corporation is submitting results of a 3-month toxicity study in rats with 6-methylhept-5-en-2-one (IUPAC name). The test compound was administered to groups of 10 male and 10 female Wistar rats per dose level by gavage at dose levels of 0, 50, 200 and 1,000 mg/kg body weight/day (mg/kg bw/day) for 13 weeks. The study was performed according to guideline OECD 408.

Sperm evaluation as well as histopathological examination of testes and epididymis indicated test substance related effects at 1,000 mg/kg bw. At this dose level, increased numbers of abnormal sperm morphology were observed. In addition, focal and diffuse tubular atrophy of the testis as well as aspermia in the epididymis were noted. These effects were not observed at the 50 or 200 mg/kg bw doses. Investigations of estrus cycle did not reveal an influence of the test compound on the female reproductive tract. Histopathological evaluations of the ovaries as well as of the female genital organs are still ongoing.

Although the findings are not considered to present a substantial risk to human health or the environment, BASF Corporation understands that reporting of results from this study under TSCA 8(e) is in accordance with EPA's policy. The MSDS will be modified accordingly to reflect these new findings.

Very truly yours,



8EHQ-02-15141

BASF CORPORATION

Edward J. Kerfoot

Edward J. Kerfoot, Ph.D.
Director, Toxicology and Product Regulations

mk



88020000127

2002 MAY 29 PM 1:54

RECEIVED
OPPT CBIC