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Via Federal Express

United States Environmental Protection Agency - East
Attn: TSCA Section 8(e)
Room 6428
1201 Constitution Avenue, NW
Washington, DC 20004

Subject: Notice in Accordance with TSCA Section 8(e): Results of a Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test in Wistar Rats, administration via gavage, according to OECD Guideline 422 with Dipropylene triamine, CAS No. 56-18-8

Dear Section 8(e) Coordinator:

BASF Corporation is submitting the Results of a Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test in Wistar Rats [CrI:WI(HAN) Charles River, Sulzfeld, Germany], administration via gavage, according to OECD Guideline 422 with Dipropylene triamine, CAS No. 56-18-8, conducted by BASF SE, Ludwigshafen, Germany. The test substance is a reactive component in epoxy systems (monomer/hardener).

The test substance was administered to groups of 10 male and 10 female young Wistar rats (F0 parental generation) dissolved in drinking water, via daily gavage. The dose levels were 0, 5, 15 and 50 mg/kg body weight/day. About 2 weeks after the beginning of treatment, F0 animals were mated to produce a litter (F1). Mating pairs were from the same dose group. Pregnant females were allowed to give birth and the offspring was brought up until postnatal day (PND) 4. The study was terminated with the sacrifice of the F1 young adult animals on PND 4 and of lactating dams shortly thereafter.

Under pathological examination, the thymus gland from 9 out of 10 parental males treated with the high-dose (50 mg/kg bw/d) showed minimal to severe decreased cellularity in the cortex and medulla. This change, which is regarded as treatment-related and adverse was associated with significantly decreased mean absolute (-44%) and relative (-42%) thymus weights and reduced organ size in 5 of 10 animals. These effects were not observed in males administered 5 or 15 mg/kg, nor were the thymus glands of female parental animals affected at any dose.



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Despite a lack of maternal toxicity, the high-dose offspring (50 mg/kg bw/d) were born underweight (-12%). Furthermore, pups from this group had reduced body weights on PND 4 (-22%) as well as decreased body weight gains (-40%). No test substance-related adverse reproductive/developmental findings were noted at 5 or 15 mg/kg.

BASF Corporation understands that reporting of the results from this study under TSCA 8(e) is in accordance with EPA's policy.

Please note the technical contact and address change below and direct all correspondence regarding this submission accordingly. If you have any questions, please call (248) 948-2051.

Sincerely,

Technical Contact: Alisa Boucher

A handwritten signature in cursive script that reads "Alisa Boucher".

BASF Corporation
Product Regulatory Center of Expertise – North America
26701 Telegraph Road, Southfield, MI 48033

/ab

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From: (248) 948-2051
 Alisa Bouchea
 BASF
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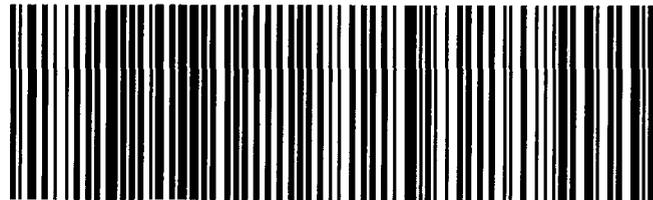
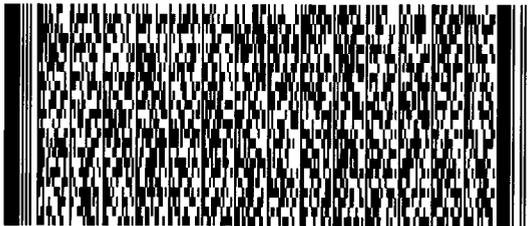
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