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February 24, 2009

Declassification Activity, Health and Safety Filing
DCN: 8EHQ-09-17419

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 Section 8(e): Results of a Combined Repeated Dose Toxicity Study with the ~~Reproduction/Developmental Toxicity Screening Test in Wistar Rats with~~ N,N,N',N'-Tetrakis(2-Hydroxypropyl)Ethylendiamine (CAS No. 102-60-3)

Dear Sir/Madam:

BASF Corporation is submitting results of a Combined Repeated Dose Toxicity Study with the ~~Reproduction/Developmental Toxicity Screening Test in Wistar Rats according to OECD Guideline 422 with~~ N,N,N',N'-Tetrakis(2-Hydroxypropyl)Ethylendiamine (CAS No. 102-60-3), conducted by BASF SE, Ludwigshafen, Germany. The substance is used as cross-linking agent and catalyst in polyurethane coatings and rigid foams.

The study was carried out for Joint Inerts Task Force, Cluster Support Team 15 (1156 15th St. NW Suite 400, Washington DC 20005, USA).

The purpose of this study was to provide information ~~on the possible health hazards that may result from repeated exposure of male and female rats to~~ N,N,N',N'-Tetrakis(2-Hydroxypropyl)Ethylendiamine (CAS # 102-60-3) beginning before cohabitation, through mating and continuing for at least 28 days (male rats) or through parturition until day 4 of lactation (female rats). This repeated dose study incorporates a reproduction / developmental toxicity screening test that can be used to provide initial information on possible effects on male and female reproductive performance (e.g., gonadal function, mating behavior, conception, development of the conceptus and parturition). The study also places emphasis on neurological effects as a specific endpoint and should identify the neurotoxic potential of a test substance, which may warrant further in-depth investigation.

The test-substance preparations were oral administered to groups of 10 male as well as 10 female animals at dose levels of 1000, 300 and 100 mg/kg body weight/day by gavage.



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Male as well as female rats were dosed for 14 days as a pre-mating period, followed by 14 days administration during mating. Thereafter, parental males were sacrificed and examined according to the test guideline OECD 422. The parental females were allowed to deliver and to rear their pups up to day 4 post partum (p.p.) and were sacrifice and examined thereafter. Additionally, on day 4 p.p., all pups were sacrificed and examined according to the above-mentioned test guideline.

In the **brain**, different sized vacuoles were observed in the epithelial cells of choroid plexus in parental males and females of the high dose groups, as shown in the following table:

	Male animals				Female animals			
Dose group (mg/kg Body weight/day)	0	100	300	1000	0	100	300	1000
Number of animals	10	10	10	10	10	10	10	10
Vacuoles, choroid plexus	0	0	0	10	0	0	0	10
• minimal				1				2
• slight				3				2
• moderate				6				6

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

Please note that a sanitized version of this letter is enclosed, treating the chemical identities as confidential business information.

The information considered confidential is highlighted, in accordance with U.S. EPA policy. The non-confidential name can be referred to as "Substituted Aminopropanol."

A confidentiality substantiation questionnaire is being submitted for this substance.

Please send all correspondence related to this submission to the attention of Janet Cerra. If you have any questions, please call (973) 245-6693.

Sincerely,

Janet Cerra
Janet Cerra

Enclosure

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