

METHACRYLATE REACH TASK FORCE
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July 1, 2009

8EHQ-0709-17568A

TSCA Confidential Business Information Center (7407M)
EPA East- Room 6428 Attn: Section 8(e)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460-0001



Re: n-Butyl Methacrylate, CASRN 97-88-1
CONTAINS NO CONFIDENTIAL BUSINESS INFORMATION

DCN: 88090000292

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Dear Sir/Madam:

The following information is being submitted by the Methacrylate REACH Task Force on behalf of its member companies (Arkema, BASF, Dow Advanced Materials, Lucite, and Evonik Röhm) pursuant to TSCA Section 8(e).

Method: n-Butyl Methacrylate was administered to male and female Wistar rats by gavage at dose levels of 0, 60, 120 and 360 mg/kg body weight per day over a period of 3 months. Control and high dose groups consisted of each 15 animals per sex, whereas low and mid dose groups consisted of each 10 animals per sex. After 3 months of treatment, 10 animals per sex of all dose groups were sacrificed (main groups). The remaining 5 animals per sex of control and high dose groups were maintained for another 28 days without administration of the test substance (recovery groups).

Food consumption and body weight were determined weekly. The animals were examined for signs of toxicity or mortality at least once a day. Detailed clinical examinations in an open field were conducted prior to the start of the administration period and weekly thereafter. A functional observational battery (FOB) and measurement of motor activity was carried out at the end of the administration period. Clinicochemical and hematological examinations as well as urinalyses were performed towards the end of the study. All animals were assessed by gross pathology, followed by histopathological examinations.

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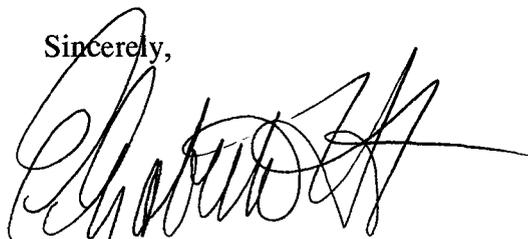
Preliminary Results: The following preliminary histopathological findings were obtained after 3 months oral administration of the test substance n-Butyl Methacrylate in high dose main group animals of both sexes:

Nasal cavity (level III)	Male animals				Female animals			
	0	60	120	360	0	60	120	360
Dose level (mg/kg body weight/day)								
Organs examined	10	0	0	10	10	0	0	10
Degeneration, olfactory epithelium	0			7	0			7
Grade 1				4				1
Grade 2				2				4
Grade 3								2
Grade 4				1				

The histopathological processing and evaluation of low and mid dose animals of either sex as well as of the recovery animals is still ongoing. The final report will be provided when available.

If you have any questions, please contact me.

Sincerely,



Elizabeth Hunt
Task Force Administrator