

MR# 284661

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March 15, 2005

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

FYI - 0505 - 01492

CONTAINS NO CBI

Re.: Chlorotrifluoroethylene (CAS # 79-38-9)

Dear Sir or Madam:

In response to a request from the OECD HPV panel following their review of our SIDS dossier on chlorotrifluoroethylene (CAS# 79-38-9) Honeywell conducted a developmental toxicity study on this material. The design called for daily 6-hour exposures from day 6 through day 19 of gestation. The exposure levels selected were 0 (air control), 30, 90 and 180 ppm.

Exposure at 30 ppm was the no-observed-effect-level ((NOEL) for maternal toxicity and exposure at 90 ppm was the NOEL for developmental toxicity. Exposure at 180 ppm resulted in significant body weight loss in the dams. As a consequence, exposure to this group was terminated prior to the final scheduled exposure. However the rats were evaluated at the end of the gestation period along with the rats from the other groups.

There was no evidence for developmental abnormalities at any level. In summary, decreased body weight gain and food consumption was reported for the dams exposed to 90 and 180 ppm of CTFE. Decreased fetal weight and delayed ossification was seen in pups from dams exposed to 180 ppm. As the body weight loss seen in the dams exposed to 180 ppm of CTFE was greater than expected based on our previous study, we are reporting this finding to TSCA as an informational item under Section 8e. We will provide a copy of the final report when it becomes available.

Sincerely,

Sheri L. Blystone, Ph.D.
Global Product Regulatory Leader

George M. Rusch, Ph.D., D.A.B.T., F.A.T.S.
Director
Toxicology & Risk Assessment

Cc: Amy Benson - US EPA HPV Program
Claire Matlon

