

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

February 28, 1995

TO: Hexachlorobutadiene file (CAS # 87-68-3)
FROM: Gary Butterfield
SUBJECT: Screening level for Hexachlorobutadiene

No additional literature searches or literature reviews were conducted once the IRIS entry was discovered.

The IRSL for hexachlorobutadiene is being established upon the November 12, 1986 verified EPA unit risk value of $2.2E-5$ per (ug/m³) listed in IRIS. The unit risk was converted to an inhalation value from the oral slope factor by EPA. The oral slope factor is based on renal tumors reported by Kociba et al (1977) following a two year feeding study with hexachlorobutadiene.

Based on the EPA unit risk value, the IRSL is set at 0.05 ug/m³ with annual averaging. The SRSL is set at 0.5 ug/m³ with annual averaging.

References:

Kociba et al. 1977. Results of a two year chronic toxicity study with hexachlorobutadiene in rats. Am Ind Hyg Assoc J 38:589-602.