

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

April 24, 1985

TO: File
FROM: Catherine Simon
SUBJECT: Methyl Chloropropionate (CAS No 17639-93-9)

An acute oral toxicity range finding test was conducted using female CDF Fischer 344 rats. The following results were observed following a single oral administration.

<u>Dose (mg/kg)</u>	<u>Response (mortality)</u>
0	0/3
100	0/3
200	0/3
400	0/3
800	0/3
1600	2/3

To determine the acceptable ambient concentration, assume 800 mg/kg is equivalent to the oral rat LD50.

$$AAC = (800 \text{ mg/kg}) \times (8.12 \times 10^{-6}) = 6 \text{ ug/m}^3$$

Emission limitations should be calculated using an AAC of 6 ug/m³ on an annual average basis.

CS:mah