

Michigan Department of Natural Resources

Interoffice Communication

July 28, 1992

To : Methylbutynol File (CAS # 115-19-5)

From : Gary Butterfield

Subject : ITSL for Methylbutynol

A CAS-on-line search of available toxicity data through July 15, 1992 was not able to identify any toxicity studies. RTECS listed a rat oral acute study for this material of LD50 = 1950 mg/kg. As this is the only available toxicity data, the ITSL will be based on this LD50.

$$\text{ITSL} = (1950 \text{ mg/kg}) \times (1 / (500 \times 40 \times 100 \times 0.167)) \times (1 / .9) = 6.5 \text{ ug/m}^3$$

annual average

Where 0.9 m³/kg is the inhalation rate for rats (EPA 1988).

References :

EPA. 1988. Recommendations for and documentation of biological values for use in risk assessment. PB 88-179874.

1955. J Pharmacol Exp Ther 115:230-. (as cited in RTECS)

A2429 Brown et al.