

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

March 4, 1994

TO: File for T-BUTYLCATECHOL (CAS # 98-29-3)
FROM: George Eurich
SUBJECT: Screening Level for t-butylcatechol

The ITSL for t-butylcatechol has been set at 9 ug/m³ based on annual average time.

A search of the following sources provided one published rat LD50 of 2820 mg/kg (Smyth, H.F., et al. 1954).

RTECS	NIOSH REL
IRIS	NTP MANAGEMENT STATUS REPORT
EPBN LIBRARY	IARC MONOGRAPHS
ACGIH LIBRARY	EPB CHEMICAL CRITERIA DATABASE
HEAST	CAS
NLM	

There were no details available other than the oral LD50 dose, therefore default values for body weight and inhalation rate were used. The ITSL was determined from the oral LD50 of 2820 mg/kg according to Rule 232 (1) (h) as follows:

$$\text{ITSL} = \frac{1}{2,000,000} \times \frac{2820\text{mg/kg}}{0.167 \times .931} = 9 \text{ ug/m}^3 \text{ ann. average}$$

Reference:

Smyth, H.F., et al. 1954. Range finding toxicity data list V. AMA Archives of Industrial Hygiene and Occupational Medicine. 10, 61-68.

GE:ma