

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

November 10, 1998

TO: File for chlorobutanol (CAS #57-15-8)

FROM: Cathy Simon, Supervisor, Toxics Unit, Air Quality Division

SUBJECT: Change in the Initial Threshold Screening Level (ITSL)

The ITSL for chlorobutanol has been changed from 0.04 ug/m³ to 0.1 ug/m³ based on an annual averaging time.

The change in the ITSL was made due to a revision in the State's air toxic rules which became effective on November 10, 1998. Previously, the ITSL had been set pursuant to Rule 232(i). This rule sets the ITSL at a default value of 0.04 ug/m³ (annual average) when no specific data are available to determine an ITSL. The November 10, 1998 revisions to the rules changed this default ITSL to a value of 0.1 ug/m³.

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04 ug/m³, to determine if new data are available for this compound.

CAS:SLB

MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

September 30, 1993

TO: File for Chlorobutanol (CAS No. 57-15-8)

FROM: Marco Bianchi

SUBJECT: Initial Threshold Screening Level

The initial threshold screening level (ITSL) for Chlorobutanol is 0.04 $\mu\text{g}/\text{m}^3$ based on an annual averaging time.

The following references or databases were searched to identify data to determine the ITSL: IRIS, HEAST, NTP Management Status Report, RTECS, EPB-CCD, EPB library, CAS-online, NLM-online, IARC, NIOSH Pocket Guide, and ACGIH Guide.

Besides nonessential information obtained from RTECs, chlorobutanol was only listed through CAS- and NLM-online. Abstract information primarily discussed the role of chlorobutanol as a preservative in other pharmaceutical products. Chlorobutanol is a sensitizing chemical that causes dermal and opthalmic sensitivity reactions in addition to anaphylactic reactions. No information from these abstracts could be used to derive an ITSL. This compound is neither carcinogenic or teratogenic.

Due to insufficient data, the ITSL for chlorobutanol will be set at trace.

ITSL for chlorobutanol = 0.04 $\mu\text{g}/\text{m}^3$ based on annual averaging.

MB:ma