

**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY**

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**INTEROFFICE COMMUNICATION**

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November 10, 1998

TO: File for 17, 21-dihydroxy-16 alpha-methylpregna-1,4,9 (11)-triene-3, 20-dione  
(CAS# 13209-41-1)

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

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

The ITSL for 17, 21-dihydroxy-16 alpha-methylpregna-1,4,9 (11)-triene-3, 20-dione has been changed from 0.04  $\mu\text{g}/\text{m}^3$  to 0.1  $\mu\text{g}/\text{m}^3$  based on 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  $\mu\text{g}/\text{m}^3$  (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  $\mu\text{g}/\text{m}^3$ .

No updated review of the literature has been done since the ITSL was originally set at a value of 0.04  $\mu\text{g}/\text{m}^3$ , to determine if new data are available for this compound.

CAS: SLB

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February 23, 1996

TO: File for 17, 21-Dihydroxy-16 $\alpha$ -methylpregna-1, 4,9(11) -triene-3,20-dione [DHMPTD] (13209-41-1)

FROM: Dan O'Brien, Toxics Unit

SUBJECT: Initial Threshold Screening Level for DHMPTD

**The initial threshold screening level (ITSL) for 17,21-Dihydroxy-16 $\alpha$ -methylpregna-1,4,9(11)-triene-3,20-dione is 0.04  $\mu\text{g}/\text{m}^3$  based on a annual averaging time.**

The following references or databases were searched to identify data to determine the ITSL: AQD chemical files, IRIS, HEAST, ACGIH TLV Booklet, NIOSH Pocket Guide to Chemical Hazards, RTECS, NTP Management Status Report, EPB Library, IARC Monographs, CAS On-line and NLM/Toxline (1967-February 22, 1996), CESARS, Handbook of Environmental Data on Organic Chemicals, Patty's Industrial Hygiene and Toxicology, Merck Index and the Condensed Chemical Dictionary.

No toxicological data (indeed, no data whatsoever) specific to this chemical was found which could be used in the derivation of a screening level. Consequently, per section R 336.1232, rule 232, subrule (1) (i) of Act 451, the ITSL for 17, 21-Dihydroxy-16 $\alpha$ -methylpregna-1, 4,9(11) -triene-3,20-dione = 0.04  $\mu\text{g}/\text{m}^3$ , and per rule 232, subrule (2) (c), an annual averaging time applies.

DO : ma

cc: P. Schleusener