



DEPARTMENT OF HEALTH AND HUMAN SERVICES

Public Health Service

Centers for Disease Control and Prevention  
National Institute for Occupational  
Safety and Health  
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February 4, 2014

Health Council of the Netherlands  
Subcommittee on the Classification of Reproduction Toxic Substances  
Attn: J.T.J. Stouten  
PO Box 16052  
2500 BB The Hague  
The Netherlands

Dear Dr. Stouten:

Thank you for the opportunity to review the draft report on *3-Methylcholanthrene* prepared by the Subcommittee on the Classification of Reproduction Toxic Substances of the Dutch Expert Committee on Occupational Safety (DECOS). NIOSH experts have reviewed the draft document and their comments are enclosed for your consideration.

If you have any questions regarding the comments, please contact me at 513-533-8260 (telephone) or by Email at [tbl7@cdc.gov](mailto:tbl7@cdc.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "T. J. Lentz".

Thomas J. Lentz, Ph.D., M.P.H.  
Branch Chief  
Document Development Branch  
Education and Information Division

Enclosure

**Review comments on DECOS draft report on 3-Methylcholanthrene  
by Steven Reynolds, HELD, 1095 Willowdale Road, Morgantown, WV  
26505-2888, and David Murray and Samy Rengasamy, NPPTL,  
626 Cochrans Mill Road, Pittsburgh, PA 15236**

<b>SECTION &amp; PARAGRAPH</b>	<b>COMMENT</b>
<b>General Comments</b>	Natural or industrial processes that generate 3-methylcholanthrene could be incorporated in the "Introduction" section. The use of 3-methylcholanthrene in food industry, if any, may also be described.
	Agree with the three classifications. Presumed human reproductive toxicant for effects on fertility and development, insufficient data for effects via lactation.
	The most recent reference is 2005. There is much in the literature since then specifying 3MC activity- interactions with cells, etc. However, the results from the more recent published literature do not appear to warrant classification changes.
	<p>Literature on the classification of 3-methylcholanthrene concerning adverse effects (i.e., fertility and development as well as lactation) were retrieved from XTOXLINE, MEDLINE and CAPLUS with a final update performed in TOXLINE in October 2013. A December 19, 2013 search of PubMed using "3-methylcholanthrene, fertility", "3-methylcholanthrene, development", and "3-methylcholanthrene, lactation" as search phrases provided no additional relevant information other than what is currently contained within the report. All critical studies which are relevant to the assessment of 3-methylcholanthrene concerning fertility and development as well as lactation seem to have been included.</p> <p>The critical studies are presented in sufficient detail to support the conclusions regarding the characterization of risk.</p> <p>The presentation of the material is sufficiently concise.</p> <p>The limitations of the critical studies were discussed.</p> <p>There are no obvious alternative interpretations regarding the overall assessment of the risks.</p>
<b>Specific Comments</b>	Appendix F Table 1 row 2 has "prebuperta!" instead of "prepubertal".