

4-Methylcyclohexanemethanol (MCHM): Prenatal Developmental Toxicity Study in Rats

Study Number: R14001B

Readme File for Supporting Data Files

Introduction

As part of the [West Virginia Chemical Spill research program](#), NTP conducted studies to evaluate the prenatal developmental toxicity of 4-methylcyclohexanemethanol (CASRN 34885-03-05) in rats. Summaries of study findings were reported in [December 2014](#) and [June 2015](#) updates.

Data Files Available for Download

A set of supporting data files for the Prenatal Developmental Toxicity Study is available on a [NTP data Web page](#). The files include summary tables at the treatment level, which are available as PDF files, and the corresponding individual animal data, which are available as Microsoft Excel files (see Table 1). The *key* worksheet within each file provides an explanation of variables. A cross-reference between the summary data and individual animal data is in Table 1.

The data Web page also provides the following methods files: (1) a “Chemical Methods” file that covers chemical procurement, analysis, and formulation for all chemicals used in the research program and (2) a “Materials and Methods” file that lists what was studied and describes the methods for each study.

Files can be downloaded individually or as the complete set for the study by using the *Download All* button. If you need assistance with the data files, please contact CEBS-Support@mail.nih.gov.

Access to Data Online

All data are available in the [Chemical Effects in Biological Systems \(CEBS\) database](#). Access to the data is available by searching CEBS using the study number (R14001B).

Data from additional studies conducted on MCHM is accessible by searching CEBS using:

- Compound name (4-Methylcyclohexanemethanol or MCHM)
- CASRN 34885-03-5

Suggested Citation

National Toxicology Program. 2016. 4-Methylcyclohexanemethanol (MCHM): Prenatal Developmental Toxicity Study in Rats, Study Number R14001B, Supporting Data Files. Available: http://tools.niehs.nih.gov/cebs3/wvspill/index.cfm?action=main.dataReview&bin_id=734 [accessed *INSERT DATE*].

Table 1: Names of Summary Table and Corresponding Individual Animal Data Files

Summary Table File (PDFs)	Individual Animal Data File (Microsoft Excel)
Animal Removal Summary Summary of animals removed during study with removal reason	Individual Animal Removal Reasons
Clinical Chemistry Summary Observations of blood chemistry (e.g. protein or enzyme levels)	Individual Animal Clinical Chemistry
Clinical Observations Summary Observations of rat behavior and appearance during study	Individual Animal Clinical Observations
Dam Pup Cross Reference Cross reference to identify which fetuses and implants were associated with a particular dam	Not Applicable
Fetal Defect Cross Reference Summary List of fetal findings grouped by body area with dam ID number and fetal ID number	Individual Animal Implant Findings
Fetal Defect Summary Total number of fetal findings (e.g., malformations)	Individual Animal Implant Findings
Fetal Defects List of fetal findings grouped by body area	Individual Animal Implant Findings
Gross Pathology Summary Summary of observations made at necropsy	Individual Animal Gross Pathology
Growth Curve Graph of maternal body weight over gestation	Individual Animal Body Weights
Hematology Summary Observations of blood cell types and numbers	Individual Animal Hematology
Mean Body Weight Gain Table of changes in maternal body weight over gestation	Individual Animal Body Weights
Mean Body Weights and Survival Average maternal body weights and number of surviving dams over gestation	Individual Animal Body Weights
Mean Food Consumption Maternal food consumption over gestation	Individual Animal Food Consumption
Placental Findings Observations made on placenta	Individual Animal Implant Findings
Uterine Content Summary Number and weight of live fetuses, pre- and post-implantation loss, intra-uterine deaths, and summary of pregnancy status and weight of gravid uterus	Individual Animal Dam Findings; Individual Animal Implant Findings
Summary Fetal Defects in NTP Historical Control Animals List of fetal findings grouped by exam type and body area seen in control groups	Not Applicable