

**Experiment Number:** 92005-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

**Test Compound:** Methyl vinyl ketone

**CAS Number:** 78-94-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 07:35:30

**First Dose M/F:** NA / NA

**Lab:** NIEHS

**C Number:** C92005

**Lock Date:** Not Entered.

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

**PWG Approval Date:** NONE

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First Dose M/F: NA / NA

Lab: NIEHS

Male RAT  
FIRST TERMINAL SACRIFICE AT 94 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0PPM**

TOTAL 9

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 9

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 0.5PPM**

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 1PPM**

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 2PPM**

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Male RAT  
FIRST TERMINAL SACRIFICE AT 94 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	94(A)
0PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

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First Dose M/F: NA / NA

Lab: NIEHS

Male RAT  
FIRST TERMINAL SACRIFICE AT 94 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0PPM	0.5PPM	1PPM	2PPM
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	94.0 (0.0)	94.0 (0.0)	94.0 (0.0)	94.0 (0.0)

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Date Report Requested: 10/22/2014

Time Report Requested: 07:35:31

First Dose M/F: NA / NA

Lab: NIEHS

Female RAT  
FIRST TERMINAL SACRIFICE AT 95 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0PPM**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

---

**DOSE = 0.5PPM**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

---

**DOSE = 1PPM**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

---

**DOSE = 2PPM**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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FIRST TERMINAL SACRIFICE AT 95 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	95(A)
0PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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Lab: NIEHS

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DOSE	0PPM	0.5PPM	1PPM	2PPM
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	95.0 (0.0)	95.0 (0.0)	95.0 (0.0)	95.0 (0.0)

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**\*\* END OF REPORT \*\***

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