

**TDMS No.** 95003 - 06  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

**Date Report Requested:** 10/09/2009

**Time Report Requested:** 14:36:21

**First Dose M/F:** 04/26/04 / 04/26/04

**Lab:** SRI

F1\_M3

**C Number:** C95003C  
**Lock Date:** 01/29/2007  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

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**MALE MICE**  
FIRST TERMINAL SACRIFICE AT 729 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 16                      CENSORED DEATHS 0                      TERMINAL 34  
UNCENSORED DEATH DAYS:  
402 503 521 521 585 598 619 622 631 668 691 698 709 712  
714 721  
CENSORED DEATH DAYS:  
None

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**DOSE = 10 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 14                      CENSORED DEATHS 1                      TERMINAL 35  
UNCENSORED DEATH DAYS:  
500 509 513 515 590 610 613 626 631 641 681 683 711 714  
CENSORED DEATH DAYS:  
659

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**DOSE = 30 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 15                      CENSORED DEATHS 0                      TERMINAL 35  
UNCENSORED DEATH DAYS:  
471 521 530 534 571 571 596 627 649 653 675 698 703 705  
719  
CENSORED DEATH DAYS:  
None

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**DOSE = 90 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 12                      CENSORED DEATHS 0                      TERMINAL 38  
UNCENSORED DEATH DAYS:  
521 590 630 645 659 673 676 718 719 720 723 728

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**MALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

CENSORED DEATH DAYS:

None

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**MALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	98.0	92.0	88.0	82.0	68.0
<b>10 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	92.0	90.0	80.0	71.8
<b>30 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	98.0	92.0	86.0	80.0	70.0
<b>90 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	90.0	76.0

(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 MICE**  
FIRST TERMINAL SACRIFICE AT 729 DAYS

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<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	0 MG/KG	10 MG/KG	30 MG/KG	90 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	68.0%	71.8%	70.0%	76.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.375N	P=0.879N	P=1.000N	P=0.396N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	619.7 (23.4)	609.8 (20.2)	614.9 (20.4)	666.8 (18.3)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	694.0 (10.3)	694.2 (9.4)	694.8 (9.6)	714.1 (5.7)

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Lab: SRI

**FEMALE MICE**  
FIRST TERMINAL SACRIFICE AT 729 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 13                      CENSORED DEATHS 0                      TERMINAL 37  
UNCENSORED DEATH DAYS:  
285 608 619 649 675 678 687 692 697 698 698 698 698 719  
CENSORED DEATH DAYS:  
None

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**DOSE = 10 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 11                      CENSORED DEATHS 0                      TERMINAL 39  
UNCENSORED DEATH DAYS:  
571 590 590 597 609 639 653 676 678 681 711  
CENSORED DEATH DAYS:  
None

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**DOSE = 30 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 19                      CENSORED DEATHS 0                      TERMINAL 31  
UNCENSORED DEATH DAYS:  
386 465 467 557 561 577 624 648 668 676 681 688 688 697  
704 714 716 719 725  
CENSORED DEATH DAYS:  
None

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**DOSE = 90 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 13                      CENSORED DEATHS 0                      TERMINAL 37  
UNCENSORED DEATH DAYS:  
379 499 537 603 653 653 655 657 680 681 698 723 725  
CENSORED DEATH DAYS:  
None

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**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	92.0	74.0
<b>10 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	86.0	78.0
<b>30 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	94.0	94.0	88.0	84.0	62.0
<b>90 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	98.0	94.0	92.0	84.0	74.0

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**FEMALE MICE**  
FIRST TERMINAL SACRIFICE AT 729 DAYS

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>0 MG/KG</b>	<b>10 MG/KG</b>	<b>30 MG/KG</b>	<b>90 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	74.0%	78.0%	62.0%	74.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.960	P=0.909N	P=0.251	P=1.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	646.4 (31.4)	635.9 (14.1)	629.5 (23.0)	626.4 (27.6)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	707.5 (9.5)	708.5 (6.3)	691.2 (11.0)	702.3 (9.5)

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

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