

**TDMS No.** 99028 - 06  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

bis(2-Chloroethoxy)methane

**CAS Number:** 111-91-1

**Date Report Requested:** 04/07/2008

**Time Report Requested:** 11:52:50

**First Dose M/F:** 10/03/02 / 10/02/02

**Lab:** BAT

F1\_M3

**C Number:** C99028  
**Lock Date:** 09/20/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 2.0.0

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**MALE MICE**  
FIRST TERMINAL SACRIFICE AT 728 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:  
397 461 495 499 533 533 539 544 558 578 633 694 707  
CENSORED DEATH DAYS:  
None

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**DOSE = 150 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 11                      CENSORED DEATHS 0                      TERMINAL 39  
UNCENSORED DEATH DAYS:  
168 495 521 533 589 611 631 656 701 712 727  
CENSORED DEATH DAYS:  
None

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**DOSE = 300 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 8                      CENSORED DEATHS 0                      TERMINAL 42  
UNCENSORED DEATH DAYS:  
127 451 501 533 638 648 661 722  
CENSORED DEATH DAYS:  
None

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**DOSE = 600 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 23                      CENSORED DEATHS 0                      TERMINAL 27  
UNCENSORED DEATH DAYS:  
4 20 37 44 72 123 226 245 251 420 451 486 489 506  
522 568 573 630 648 674 678 720 726  
CENSORED DEATH DAYS:  
None

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**MALE MICE**  
FIRST TERMINAL SACRIFICE AT 728 DAYS

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	728(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	96.0	84.0	80.0	78.0	74.0
<b>150 MG/KG</b>	100.0	98.0	98.0	98.0	98.0	98.0	92.0	90.0	84.0	78.0
<b>300 MG/KG</b>	100.0	98.0	98.0	98.0	98.0	96.0	92.0	92.0	86.0	84.0
<b>600 MG/KG</b>	90.0	88.0	82.0	82.0	80.0	78.0	70.0	66.0	62.0	54.0

(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 728 DAYS

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<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	0 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	74.0%	78.0%	84.0%	54.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.008	P=0.726N	P=0.307N	P=0.037
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	551.6 (24.1)	576.7 (47.3)	535.1 (66.7)	396.2 (52.6)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	682.1 (12.6)	694.7 (13.4)	697.1 (14.3)	575.4 (33.6)

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Lab: BAT

**FEMALE MICE**  
FIRST TERMINAL SACRIFICE AT 727 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 19                      CENSORED DEATHS 0                      TERMINAL 31  
UNCENSORED DEATH DAYS:  
472 514 534 534 559 588 595 639 652 671 676 687 699 701  
701 714 714 714 717  
CENSORED DEATH DAYS:  
None

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**DOSE = 100 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 12                      CENSORED DEATHS 0                      TERMINAL 38  
UNCENSORED DEATH DAYS:  
386 454 475 518 589 659 664 664 671 700 711 722  
CENSORED DEATH DAYS:  
None

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**DOSE = 200 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 13                      CENSORED DEATHS 0                      TERMINAL 37  
UNCENSORED DEATH DAYS:  
411 458 472 485 573 584 606 638 645 657 657 701 706  
CENSORED DEATH DAYS:  
None

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**DOSE = 400 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 13                      CENSORED DEATHS 0                      TERMINAL 37  
UNCENSORED DEATH DAYS:  
554 615 650 657 659 671 689 689 696 701 709 713 721  
CENSORED DEATH DAYS:  
None

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FIRST TERMINAL SACRIFICE AT 727 DAYS

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	727(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	98.0	92.0	86.0	82.0	62.0
<b>100 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	94.0	92.0	90.0	84.0	76.0
<b>200 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	92.0	92.0	88.0	78.0	74.0
<b>400 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	90.0	74.0

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FIRST TERMINAL SACRIFICE AT 727 DAYS

**SURVIVAL SUMMARY STATISTICS**

DOSE	0 MG/KG	100 MG/KG	200 MG/KG	400 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	62.0%	76.0%	74.0%	74.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.321N	P=0.222N	P=0.366N	P=0.240N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	635.8 (18.4)	601.1 (33.0)	584.1 (27.1)	671.1 (12.8)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	692.4 (9.3)	696.8 (10.8)	689.8 (11.3)	712.5 (4.8)

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

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