

**TDMS No.** 99028 - 05  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

bis(2-Chloroethoxy)methane

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

**Date Report Reqsted:** 11/12/2007

**Time Report Reqsted:** 14:57:37

**First Dose M/F:** 09/16/02 / 09/17/02

**Lab:** BAT

F1\_R2

**C Number:** C99028  
**Lock Date:** 07/12/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 1.9.1

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

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 29                      CENSORED DEATHS 0                      TERMINAL 21  
UNCENSORED DEATH DAYS:  
316 441 533 538 570 583 584 620 634 645 655 656 661 669  
677 677 682 684 684 687 691 691 691 691 692 695 698 717  
724  
CENSORED DEATH DAYS:  
None

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**DOSE = 75 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 21                      CENSORED DEATHS 0                      TERMINAL 29  
UNCENSORED DEATH DAYS:  
351 386 442 478 502 505 526 584 586 617 631 645 654 654  
656 670 670 670 673 708 716  
CENSORED DEATH DAYS:  
None

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**DOSE = 150 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 36                      CENSORED DEATHS 0                      TERMINAL 14  
UNCENSORED DEATH DAYS:  
282 371 414 426 453 481 512 523 554 558 594 596 596 604  
610 610 631 631 640 641 643 654 654 661 670 670 677 680  
682 704 704 712 714 719 720 724  
CENSORED DEATH DAYS:  
None

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**DOSE = 300 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 26                      CENSORED DEATHS 0                      TERMINAL 24

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UNCENSORED DEATH DAYS:

367	423	485	544	565	620	640	647	652	654	669	677	682	698
704	712	712	715	716	717	717	719	719	719	724	724		

CENSORED DEATH DAYS:

None

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**MALE RATS**  
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	96.0	92.0	86.0	74.0	42.0
<b>75 MG/KG</b>	100.0	100.0	100.0	98.0	96.0	92.0	86.0	82.0	70.0	58.0
<b>150 MG/KG</b>	100.0	100.0	100.0	98.0	94.0	88.0	84.0	72.0	52.0	28.0
<b>300 MG/KG</b>	100.0	100.0	100.0	100.0	96.0	94.0	92.0	90.0	80.0	48.0

- (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 RATS**  
 FIRST TERMINAL SACRIFICE AT 729 DAYS

<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	<b>0 MG/KG</b>	<b>75 MG/KG</b>	<b>150 MG/KG</b>	<b>300 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	42.0%	58.0%	28.0%	48.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.815N	P=0.331N	P=0.088	P=0.409N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	637.4 (16.6)	586.9 (23.2)	603.2 (18.0)	650.8 (19.1)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	675.9 (11.5)	669.3 (13.9)	638.4 (15.2)	688.3 (11.3)

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**FEMALE RATS**  
FIRST TERMINAL SACRIFICE AT 730 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 31                      CENSORED DEATHS 0                      TERMINAL 19  
UNCENSORED DEATH DAYS:  
39 469 479 511 519 529 532 539 546 553 571 580 581 582  
597 603 605 614 616 668 672 683 683 686 694 694 703 709  
718 721 723  
CENSORED DEATH DAYS:  
None

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**DOSE = 75 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 20                      CENSORED DEATHS 0                      TERMINAL 30  
UNCENSORED DEATH DAYS:  
388 410 532 571 575 586 592 595 603 606 624 624 624 634  
653 669 683 707 711 714  
CENSORED DEATH DAYS:  
None

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**DOSE = 150 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 22                      CENSORED DEATHS 0                      TERMINAL 28  
UNCENSORED DEATH DAYS:  
332 513 526 550 561 567 616 616 635 637 653 655 660 668  
673 697 702 702 711 716 723 723  
CENSORED DEATH DAYS:  
None

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**DOSE = 300 MG/KG**

TOTAL 50                      UNCENSORED DEATHS 32                      CENSORED DEATHS 0                      TERMINAL 18

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**FEMALE RATS**  
FIRST TERMINAL SACRIFICE AT 730 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

UNCENSORED DEATH DAYS:

66	67	71	109	115	117	121	121	121	189	213	219	232	262
326	378	464	535	549	550	597	620	630	632	633	662	674	674
687	707	714	716										

CENSORED DEATH DAYS:

None

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 FIRST TERMINAL SACRIFICE AT 730 DAYS

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
<b>0 MG/KG</b>	98.0	98.0	98.0	98.0	98.0	94.0	84.0	66.0	62.0	38.0
<b>75 MG/KG</b>	100.0	100.0	100.0	100.0	96.0	96.0	94.0	82.0	70.0	60.0
<b>150 MG/KG</b>	100.0	100.0	100.0	98.0	98.0	98.0	94.0	88.0	74.0	56.0
<b>300 MG/KG</b>	94.0	82.0	72.0	70.0	68.0	66.0	64.0	58.0	48.0	36.0

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FIRST TERMINAL SACRIFICE AT 730 DAYS

**SURVIVAL SUMMARY STATISTICS**

DOSE	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	38.0%	60.0%	56.0%	36.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.169	P=0.041N	P=0.061N	P=0.437
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	594.2 (23.1)	605.1 (19.3)	628.9 (19.8)	399.1 (43.6)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	645.8 (17.1)	680.0 (11.6)	685.5 (11.2)	518.2 (35.8)

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

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