

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)

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

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

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

DOSE = 300 MG/KG

TOTAL 50 UNCENSORED DEATHS 26 CENSORED DEATHS 0 TERMINAL 24

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INDIVIDUAL SURVIVAL TIMES (DAYS)

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)
0 MG/KG	100.0	100.0	100.0	98.0	98.0	96.0	92.0	86.0	74.0	42.0
75 MG/KG	100.0	100.0	100.0	98.0	96.0	92.0	86.0	82.0	70.0	58.0
150 MG/KG	100.0	100.0	100.0	98.0	94.0	88.0	84.0	72.0	52.0	28.0
300 MG/KG	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

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

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

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

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

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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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

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

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SURVIVAL SUMMARY STATISTICS

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