

**Experiment Number:** 99028-04  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 00:11:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99028
<b>Lock Date:</b>	10/07/2002
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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CAS Number: 111-91-1

Date Report Requested: 10/22/2014

Time Report Requested: 00:11:23

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE  
FIRST TERMINAL SACRIFICE AT 93 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = 0 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 50 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 100 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 200 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
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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**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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**DOSE = 400 MG/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 600 MG/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

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

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>50 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>100 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>200 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>400 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>600 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(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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**Route:** SKIN APPLICATION  
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**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 00:11:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>0 MG/KG</b>	<b>50 MG/KG</b>	<b>100 MG/KG</b>	<b>200 MG/KG</b>
<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)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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

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

**Experiment Number:** 99028-04  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 00:11:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>400 MG/KG</b>	<b>600 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	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)	93.0 (0.0)	93.0 (0.0)

(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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**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 00:11:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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<b>DOSE = 0 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 50 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 100 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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<b>DOSE = 200 MG/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
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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**CAS Number:** 111-91-1

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**Time Report Requested:** 00:11:23  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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**DOSE = 400 MG/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 600 MG/KG**

TOTAL 10                      UNCENSORED DEATHS 3                      CENSORED DEATHS 0                      TERMINAL 7

**UNCENSORED DEATH DAYS**

39                      50                      74

**CENSORED DEATH DAYS**

none

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

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



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**Species/Strain:** Mouse/B6C3F1

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

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

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

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>50 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>100 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>200 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>400 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>600 MG/KG</b>	100.0	100.0	100.0	90.0	80.0	80.0	80.0	70.0	70.0	70.0

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

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

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

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

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>0 MG/KG</b>	<b>50 MG/KG</b>	<b>100 MG/KG</b>	<b>200 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.004	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	93.0	93.0	93.0	93.0
	(0.0)	(0.0)	(0.0)	(0.0)

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

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>400 MG/KG</b>	<b>600 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	70.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	-----	P=0.210
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	54.3 (10.3)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	93.0 (0.0)	81.4 (6.5)

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

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