Test Type: 14-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: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

C Number: C99028

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

Test Type: 14-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: 10/17/2014
Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

Male MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

|                       | IIID                | IVIDUAL SURVIVAL TIMES (DAT | 0)         |  |
|-----------------------|---------------------|-----------------------------|------------|--|
| DOSE = 0 MG/KG        |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |
| DOSE = 12.5 MG/KG     |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |
| DOSE = 25 MG/KG       |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |
| DOSE = 50 MG/KG       |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014
Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

MAIE MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 100 MG/KG

TOTAL 5

**UNCENSORED DEATHS 0** 

CENSORED DEATHS 0

**TERMINAL 5** 

**UNCENSORED DEATH DAYS** 

none

**CENSORED DEATH DAYS** 

none

DOSE = 200 MG/KG

TOTAL 5

UNCENSORED DEATHS 0

**CENSORED DEATHS 0** 

**TERMINAL 5** 

**UNCENSORED DEATH DAYS** 

none

**CENSORED DEATH DAYS** 

none

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

### Male MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS

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

| DOSE       |       |       |       |       | TIME  | (DAYS) |       |       |       |       |
|------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|            | 2     | 4     | 6     | 88    | 10    | 12     | 14    | 16    | 18(A) | 18(A) |
| 0 MG/KG    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 12.5 MG/KG | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 25 MG/KG   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 50 MG/KG   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 MG/KG  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 MG/KG  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

**Route: SKIN APPLICATION** Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

## P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: bis(2-Chloroethoxy)methane

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

Date Report Requested: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

# Male MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS

| DOSE                           | 0 MG/KG | 12.5 MG/KG | 25 MG/KG | 50 MG/KG |  |
|--------------------------------|---------|------------|----------|----------|--|
| SURVIVAL AT END OF STUDY       | 100.0%  | 100.0%     | 100.0%   | 100.0%   |  |
| (KAPLAN-MEIER)                 |         |            |          |          |  |
| SIGNIFICANCE (B)               |         |            |          |          |  |
| (LIFE TABLE)                   |         |            |          |          |  |
| MEAN DAY OF NATURAL DEATHS (C) |         |            |          |          |  |
| (STANDARD ERROR)               | (.)     | (.)        | (.)      | (.)      |  |
| MEAN LIFE SPAN (D)             | 18.0    | 18.0       | 18.0     | 18.0     |  |
| (STANDARD ERROR)               | (0.0)   | (0.0)      | (0.0)    | (0.0)    |  |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

### Male MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS

| DOSE                           | 100 MG/KG | 200 MG/KG   |
|--------------------------------|-----------|-------------|
| SURVIVAL AT END OF STUDY       | 100.0%    | 100.0%      |
| (KAPLAN-MEIER)                 |           |             |
| SIGNIFICANCE (B)               |           | <del></del> |
| (LIFE TABLE)                   |           |             |
| MEAN DAY OF NATURAL DEATHS (C) |           |             |
| (STANDARD ERROR)               | (.)       | (.)         |
| MEAN LIFE SPAN (D)             | 18.0      | 18.0        |
| (STANDARD ERROR)               | (0.0)     | (0.0)       |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

|                       | IIID                | IVIDUAL SURVIVAL TIMES (DAT | 0)         |  |
|-----------------------|---------------------|-----------------------------|------------|--|
| DOSE = 0 MG/KG        |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |
| DOSE = 12.5 MG/KG     |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |
| DOSE = 25 MG/KG       |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |
| DOSE = 50 MG/KG       |                     |                             |            |  |
| TOTAL 5               | UNCENSORED DEATHS 0 | CENSORED DEATHS 0           | TERMINAL 5 |  |
| UNCENSORED DEATH DAYS |                     |                             |            |  |
| none                  |                     |                             |            |  |
| CENSORED DEATH DAYS   |                     |                             |            |  |
| none                  |                     |                             |            |  |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014
Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 100 MG/KG

TOTAL 5

**UNCENSORED DEATHS 0** 

CENSORED DEATHS 0

**TERMINAL 5** 

**UNCENSORED DEATH DAYS** 

none

**CENSORED DEATH DAYS** 

none

DOSE = 200 MG/KG

TOTAL 5

UNCENSORED DEATHS 0

**CENSORED DEATHS 0** 

**TERMINAL 5** 

**UNCENSORED DEATH DAYS** 

none

**CENSORED DEATH DAYS** 

none

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014
Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

### Female MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS

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

| DOSE       |       |       |       |       | TIME  | (DAYS) |       |       |       |       |
|------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|            | 2     | 4     | 6     | 8     | 10    | 12     | 14    | 16    | 18(A) | 18(A) |
| 0 MG/KG    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 12.5 MG/KG | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 25 MG/KG   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 50 MG/KG   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 MG/KG  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 MG/KG  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

**Route: SKIN APPLICATION** Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

## P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: bis(2-Chloroethoxy)methane

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

Date Report Requested: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

# Female MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS

| DOSE                           | 0 MG/KG | 12.5 MG/KG | 25 MG/KG | 50 MG/KG |  |
|--------------------------------|---------|------------|----------|----------|--|
| SURVIVAL AT END OF STUDY       | 100.0%  | 100.0%     | 100.0%   | 100.0%   |  |
| (KAPLAN-MEIER)                 |         |            |          |          |  |
| SIGNIFICANCE (B)               |         |            |          |          |  |
| (LIFE TABLE)                   |         |            |          |          |  |
| MEAN DAY OF NATURAL DEATHS (C) |         |            |          |          |  |
| (STANDARD ERROR)               | (.)     | (.)        | (.)      | (.)      |  |
| MEAN LIFE SPAN (D)             | 18.0    | 18.0       | 18.0     | 18.0     |  |
| (STANDARD ERROR)               | (0.0)   | (0.0)      | (0.0)    | (0.0)    |  |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

### Female MOUSE FIRST TERMINAL SACRIFICE AT 18 DAYS

| DOSE                           | 100 MG/KG | 200 MG/KG |
|--------------------------------|-----------|-----------|
| SURVIVAL AT END OF STUDY       | 100.0%    | 100.0%    |
| (KAPLAN-MEIER)                 |           |           |
| SIGNIFICANCE (B)               |           |           |
| (LIFE TABLE)                   |           |           |
| MEAN DAY OF NATURAL DEATHS (C) |           |           |
| (STANDARD ERROR)               | (.)       | (.)       |
| MEAN LIFE SPAN (D)             | 18.0      | 18.0      |
| (STANDARD ERROR)               | (0.0)     | (0.0)     |

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: 14-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: 10/17/2014 Time Report Requested: 22:28:02

First Dose M/F: NA / NA

Lab: BAT

\*\* END OF REPORT \*\*

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>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".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)