

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99028
<b>Lock Date:</b>	Not Entered.
<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

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0107441
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Skin	* Stomach, Forestomach	* Stomach, Glandular

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**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0107442
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Skin	* Stomach, Forestomach	* Stomach, Glandular

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**OBSERVATIONS**

* Liver	Necrosis	Focal, Minimal
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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0107443
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Skin	* Stomach, Forestomach
* Stomach, Glandular			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 0 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0107444

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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Intestine Large, Colon

\* Kidney

\* Stomach, Glandular

\* Intestine Small, Duodenum

\* Liver

\* Intestine Small, Ileum

\* Skin

\* Intestine Small, Jejunum

\* Stomach, Forestomach

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0107445
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Skin	* Stomach, Forestomach
* Stomach, Glandular			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 6

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107446

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 7

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107447

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 8

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107448

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 9

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107449

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 10

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107450

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 11

**TRT#:** 5

**DOSE:** 25 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107451

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 12

**TRT#:** 5

**DOSE:** 25 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107452

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 13

**TRT#:** 5

**DOSE:** 25 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107453

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 14

**TRT#:** 5

**DOSE:** 25 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107454

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 15

**TRT#:** 5

**DOSE:** 25 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107455

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 16

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107456

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Seminal Vesicle

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**OBSERVATIONS**

Sem Ves

Note: Seminal vesicles are within normal limits histologically for immature rat.

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 17

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107457

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 18

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107458

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 19

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107459

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 20

**TRT#:** 7

**DOSE:** 50 MG/KG

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107460

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 21

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107461

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 22

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107462

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**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 23

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107463

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 24

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107464

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**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 25

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107465

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 26

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107466

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 27

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107467

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 28

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107468

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0107469

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Skin	* Stomach, Forestomach	* Stomach, Glandular

---

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 30

**TRT#:** 11

**SEX:** Male

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107470

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 51

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107471

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 52

**TRT#:** 2  
**DOSE:** 0 MG/KG

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17  
**HISTO:** 0107472

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon  
\* Kidney  
\* Stomach, Glandular

\* Intestine Small, Duodenum  
\* Liver

\* Intestine Small, Ileum  
\* Skin

\* Intestine Small, Jejunum  
\* Stomach, Forestomach

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 53

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107473

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0107474
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Skin	* Stomach, Forestomach	* Stomach, Glandular

---

**OBSERVATIONS**

* Liver	Hepatodiaphragmatic Nodule	Minimal
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[ Hepatodiaphragmatic Nodule TGLS = 1-2 ]

---

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 2 <b>DOSE:</b> 0 MG/KG	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 17 <b>HISTO:</b> 0107475
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Skin	* Stomach, Forestomach	* Stomach, Glandular

---

**OBSERVATIONS**

* Kidney	Renal Tubule	Mineralization	Minimal
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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 56

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107476

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 57

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107477

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 58

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107478

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 59

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107479

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 60

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 12.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107480

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 61

**TRT#:** 6

**DOSE:** 25 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107481

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 62

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107482

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-1 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 63

**TRT#:** 6

**DOSE:** 25 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107483

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

---

**ANIMAL ID:** 64

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 25 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107484

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 65

**TRT#:** 6

**DOSE:** 25 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107485

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 66

**TRT#:** 8

**DOSE:** 50 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107486

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 67

**TRT#:** 8

**DOSE:** 50 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107487

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 68

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 50 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107488

---

**OBSERVATIONS**

Liver

Hepatodiaphragmatic Nodule

Minimal

[ Hepatodiaphragmatic Nodule TGLS = 1-4 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 69

**TRT#:** 8

**DOSE:** 50 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107489

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 70

**TRT#:** 8

**DOSE:** 50 MG/KG

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 17

**HISTO:** 0107490

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 71

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107491

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 72

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107492

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 73

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107493

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 74

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107494

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 75

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 100 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107495

---

**\*\*\* NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 76

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107496

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

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**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**ANIMAL ID:** 77

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107497

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0107498

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Skin	* Stomach, Forestomach
* Stomach, Glandular			

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01

**Test Type:** 14-DAY

**Route:** SKIN APPLICATION

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** bis(2-Chloroethoxy)methane

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

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 13:35:41

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

**Lab:** BAT

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**ANIMAL ID:** 79

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 17

**DOSE:** 200 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0107499

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

\* Intestine Large, Colon

\* Intestine Small, Duodenum

\* Intestine Small, Ileum

\* Intestine Small, Jejunum

\* Kidney

\* Liver

\* Skin

\* Stomach, Forestomach

\* Stomach, Glandular

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 99028-01  
**Test Type:** 14-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** bis(2-Chloroethoxy)methane  
**CAS Number:** 111-91-1

**Date Report Requested:** 10/18/2014  
**Time Report Requested:** 13:35:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 17
	<b>DOSE:</b> 200 MG/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 0107500

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Skin	* Stomach, Forestomach	* Stomach, Glandular

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**OBSERVATIONS**

* Liver	Hepatodiaphragmatic Nodule	Minimal
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[ Hepatodiaphragmatic Nodule TGLS = 1-2 ]

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PRIMARY CAUSE OF DEATH -

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