

**Experiment Number:** 93020-03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** Rat/F 344/N

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Diisopropylcarbodiimide  
**CAS Number:** 693-13-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 19:31:23  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C93020
<b>Lock Date:</b>	05/16/1995
<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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First Dose M/F: NA / NA

Lab: MBA

Male RAT  
FIRST TERMINAL SACRIFICE AT 92 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = 0</b>	<b>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 = 10</b>	<b>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 = 20</b>	<b>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 = 40</b>	<b>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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(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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Lab: MBA

Male RAT  
FIRST TERMINAL SACRIFICE AT 92 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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DOSE = 80		MG/KG	UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
TOTAL 10									
UNCENSORED DEATH DAYS									
18	21	21	24	24	25	25	25	32	46
CENSORED DEATH DAYS									
none									

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DOSE = 160		MG/KG	UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
TOTAL 10									
UNCENSORED DEATH DAYS									
4	4	4	4	4	4	4	7	7	7
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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**Lab:** MBA

**Male RAT**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

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

DOSE	TIME (DAYS)										
	10	20	30	40	50	60	70	80	90	92(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	100.0
<b>10 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>20 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>40 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>80 MG/KG</b>	100.0	90.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>160 MG/KG</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)

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

Male RAT  
 FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	.	.	.
	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	92.0	92.0	92.0	92.0
	(0.0)	(0.0)	(0.0)	(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)

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

**Male RAT**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>80 MG/KG</b>	<b>160 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	P=0.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	26.1 (2.5)	4.9 (0.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	26.1 (2.5)	4.9 (0.5)

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**Test Compound:** Diisopropylcarbodiimide  
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**First Dose M/F:** NA / NA  
**Lab:** MBA

**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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<b>DOSE = 0</b>	<b>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 = 10</b>	<b>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 = 20</b>	<b>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 = 40</b>	<b>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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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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**Lab:** MBA

**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

DOSE = 80 MG/KG		UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0	
TOTAL 10									
<b>UNCENSORED DEATH DAYS</b>									
27	30	30	31	31	38	38	39	39	59
<b>CENSORED DEATH DAYS</b>		none							
DOSE = 160 MG/KG		UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0	
TOTAL 10									
<b>UNCENSORED DEATH DAYS</b>									
7	7	7	7	7	7	7	7	7	7
<b>CENSORED DEATH DAYS</b>		none							

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- (C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE
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**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

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

DOSE	TIME (DAYS)										
	10	20	30	40	50	60	70	80	90	92(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	100.0
<b>10 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>20 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>40 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>80 MG/KG</b>	100.0	100.0	70.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>160 MG/KG</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**Lab:** MBA

Female RAT  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

**SURVIVAL SUMMARY STATISTICS**

DOSE	0 MG/KG	10 MG/KG	20 MG/KG	40 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	-----	-----	-----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)

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**Female RAT**  
**FIRST TERMINAL SACRIFICE AT 92 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>80 MG/KG</b>	<b>160 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	0.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	P=0.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	36.2 (2.9)	7.0 (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	36.2 (2.9)	7.0 (0.0)

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

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