

TDMS No. 88133 - 07
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: RATS/F 344/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Trimethylolpropane triacrylate

CAS Number: 15625-89-5

Date Report Requested: 03/31/2010

Time Report Requested: 13:41:41

First Dose M/F: 01/18/05 / 01/18/05

Lab: SRI

C Number: C88133C
Lock Date: 10/30/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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MALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 65			UNCENSORED DEATHS 27					CENSORED DEATHS 15					TERMINAL 23	
UNCENSORED DEATH DAYS														
439	504	550	567	581	591	606	606	622	625	635	652	659	669	
674	674	674	676	680	690	693	702	702	702	704	704	708		
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

DOSE = 0.3 MG/KG

TOTAL 65			UNCENSORED DEATHS 31					CENSORED DEATHS 16					TERMINAL 18	
UNCENSORED DEATH DAYS														
279	317	318	365	436	443	472	511	529	535	543	552	577	582	
587	591	639	652	652	655	663	669	669	669	670	674	674	682	
682	697	704												
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	122	366	366	366	
366	366													

DOSE = 1.0 MG/KG

TOTAL 65			UNCENSORED DEATHS 22					CENSORED DEATHS 15					TERMINAL 28	
UNCENSORED DEATH DAYS														
416	443	465	485	535	535	538	543	543	571	598	609	626	652	
655	662	669	693	705	715	723	728							
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

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FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 3.0 MG/KG

TOTAL 65		UNCENSORED DEATHS 27					CENSORED DEATHS 15					TERMINAL 23		
UNCENSORED DEATH DAYS														
157	332	454	518	526	582	588	591	617	626	638	646	652	662	
669	669	673	674	678	690	693	704	711	715	715	722	723		
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

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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	100.0	100.0	98.0	96.0	88.0	74.0	46.0
0.3 MG/KG	100.0	100.0	100.0	92.6	92.6	86.4	78.2	67.9	57.6	37.0
1.0 MG/KG	100.0	100.0	100.0	100.0	98.0	92.0	82.0	78.0	68.0	56.0
3.0 MG/KG	100.0	98.2	98.2	96.4	96.4	94.4	90.3	84.3	72.3	46.2

(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	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	46.0%	37.0%	56.0%	46.2%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.626N	P=0.161	P=0.581N	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	640.3 (13.0)	570.6 (22.3)	595.9 (20.2)	615.7 (24.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	560.2 (29.9)	512.2 (30.2)	552.0 (30.2)	550.0 (30.8)

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 65				UNCENSORED DEATHS 23				CENSORED DEATHS 15				TERMINAL 27		
UNCENSORED DEATH DAYS														
497	543	560	560	585	597	598	606	616	625	626	648	649	652	
653	661	690	698	702	712	722	722	726						
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

DOSE = 0.3 MG.KG

TOTAL 65				UNCENSORED DEATHS 19				CENSORED DEATHS 15				TERMINAL 31		
UNCENSORED DEATH DAYS														
399	577	594	622	638	639	650	655	655	662	680	697	704	704	
709	714	715	715	728										
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

DOSE = 1.0 MG/KG

TOTAL 65				UNCENSORED DEATHS 26				CENSORED DEATHS 15				TERMINAL 24		
UNCENSORED DEATH DAYS														
338	371	449	472	485	502	511	571	591	598	598	600	625	637	
652	662	670	682	682	690	693	702	704	709	715	715			
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 3.0 MG/KG

TOTAL 65				UNCENSORED DEATHS 18				CENSORED DEATHS 15				TERMINAL 32		
UNCENSORED DEATH DAYS														
298	379	417	448	464	471	552	594	606	625	652	669	690	691	
704	715	721	722											
CENSORED DEATH DAYS														
15	15	15	15	15	91	91	91	91	91	366	366	366	366	
366														

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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	100.0	100.0	100.0	96.0	86.0	68.0	54.0
0.3 MG.KG	100.0	100.0	100.0	100.0	98.0	98.0	98.0	94.0	80.0	62.0
1.0 MG/KG	100.0	100.0	100.0	98.2	96.2	90.2	86.2	76.1	68.1	48.1
3.0 MG/KG	100.0	100.0	100.0	98.2	94.2	88.2	88.2	84.2	78.1	64.1

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	54.0%	62.0%	48.1%	64.1%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.603N	P=0.394N	P=0.559	P=0.485N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	636.9 (13.2)	655.6 (17.4)	600.9 (21.3)	578.8 (31.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	564.5 (30.1)	575.6 (30.7)	545.8 (30.2)	555.5 (31.0)

*** END OF REPORT ***

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