

**TDMS No.** 97003 - 07  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
1,2-DIBROMO-2,4-DICYANOBUTANE  
**CAS Number:** 35691-65-7

**Date Report Reqsted:** 04/18/2007  
**Time Report Reqsted:** 11:01:27  
**First Dose M/F:** 07/10/02 / 07/11/02  
**Lab:** BAT

**C Number:** C97003D  
**Lock Date:** 03/23/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**TDMSE Version:** 1.7.0

TDMS No. 97003 - 07  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
 1,2-DIBROMO-2,4-DICYANOBUTANE  
 CAS Number: 35691-65-7

Date Report Requested: 04/18/2007  
 Time Report Requested: 11:01:27  
 First Dose M/F: 07/10/02 / 07/11/02  
 Lab: BAT

SEX: MALE		WEEK: 104							
OBSERVATION	0 MG/KG		2 MG/KG		6 MG/KG		18 MG/KG		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
<b>Abnormal Breathing</b>	0 / 0	2 / 50 DAY 561	0 / 0	1 / 50 DAY 701	0 / 0	3 / 50 DAY 533	0 / 0	1 / 50 DAY 701	
<b>Diarrhea</b>	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	2 / 50 DAY 533	0 / 0	0 / 50	
<b>Excitability</b>	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 477	0 / 0	0 / 50	
<b>Eye Abnormality</b>	0 / 0	0 / 50	0 / 0	1 / 50 DAY 505	0 / 0	1 / 50 DAY 393	0 / 0	0 / 50	
<b>Head Tilt</b>	0 / 0	0 / 50	0 / 0	1 / 50 DAY 701	0 / 0	0 / 50	0 / 0	0 / 50	
<b>Irritation</b> Site Of Application	0 / 0	0 / 50	0 / 0	3 / 50 DAY 617	0 / 0	49 / 50 DAY 197	0 / 0	50 / 50 DAY 169	
<b>Lethargic</b>	0 / 0	1 / 50 DAY 673	0 / 0	1 / 50 DAY 617	0 / 0	2 / 50 DAY 673	0 / 0	2 / 50 DAY 617	
<b>Mass</b> Head	0 / 0	1 / 50 DAY 561	0 / 0	1 / 50 DAY 281	0 / 0	1 / 50 DAY 505	0 / 0	0 / 50	

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)  
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY  
 ROW 2 = DAY OF ONSET

TDMS No. 97003 - 07  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
 1,2-DIBROMO-2,4-DICYANOBUTANE  
 CAS Number: 35691-65-7

Date Report Requested: 04/18/2007  
 Time Report Requested: 11:01:27  
 First Dose M/F: 07/10/02 / 07/11/02  
 Lab: BAT

SEX: MALE		WEEK: 104							
OBSERVATION	0 MG/KG		2 MG/KG		6 MG/KG		18 MG/KG		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
<b>Mass</b> Torso/Ventral	0 / 0	5 / 50 DAY 505	0 / 0	5 / 50 DAY 449	0 / 0	5 / 50 DAY 477	0 / 0	3 / 50 DAY 617	
<b>Mass</b> Torso/Lateral	0 / 0	3 / 50 DAY 561	0 / 0	1 / 50 DAY 561	0 / 0	4 / 50 DAY 533	0 / 0	2 / 50 DAY 617	
<b>Mass</b> Appendage	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 645	
<b>Mass</b> Torso/Dorsal	0 / 0	2 / 50 DAY 533	0 / 0	0 / 50	0 / 0	1 / 50 DAY 645	0 / 0	0 / 50	
<b>Nasal/Eye Discharge</b>	0 / 0	8 / 50 DAY 57	0 / 0	4 / 50 DAY 449	0 / 0	10 / 50 DAY 309	0 / 0	8 / 50 DAY 309	
<b>Ruffled Fur</b>	0 / 0	2 / 50 DAY 561	0 / 0	2 / 50 DAY 533	0 / 0	3 / 50 DAY 505	0 / 0	3 / 50 DAY 477	
<b>Thin</b>	0 / 0	8 / 50 DAY 85	0 / 0	6 / 50 DAY 421	0 / 0	9 / 50 DAY 281	0 / 0	6 / 50 DAY 449	
<b>Ulcer</b> Site Of Application	0 / 0	0 / 50	0 / 0	3 / 50 DAY 421	0 / 0	0 / 50	0 / 0	0 / 50	

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)  
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY  
 ROW 2 = DAY OF ONSET

TDMS No. 97003 - 07  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
 1,2-DIBROMO-2,4-DICYANOBUTANE  
 CAS Number: 35691-65-7

Date Report Requested: 04/18/2007  
 Time Report Requested: 11:01:27  
 First Dose M/F: 07/10/02 / 07/11/02  
 Lab: BAT

SEX: MALE		WEEK: 104							
OBSERVATION	0 MG/KG		2 MG/KG		6 MG/KG		18 MG/KG		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
Ulcer/Abscess Appendage	0 / 0	1 / 50 DAY 701	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	0 / 50	
Ulcer/Abscess Torso/Ventral	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 701	0 / 0	0 / 50	
Ulcer/Abscess Site Of Application	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 281	

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)  
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY  
 ROW 2 = DAY OF ONSET

**TDMS No.** 97003 - 07  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
1,2-DIBROMO-2,4-DICYANOBUTANE  
**CAS Number:** 35691-65-7

**Date Report Reqsted:** 04/18/2007  
**Time Report Reqsted:** 11:01:27  
**First Dose M/F:** 07/10/02 / 07/11/02  
**Lab:** BAT

---

**SEX:** MALE

**WEEK:** 104

---

\*\*\* END OF MALE DATA \*\*\*

TDMS No. 97003 - 07  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
 1,2-DIBROMO-2,4-DICYANOBUTANE  
 CAS Number: 35691-65-7

Date Report Requested: 04/18/2007  
 Time Report Requested: 11:01:27  
 First Dose M/F: 07/10/02 / 07/11/02  
 Lab: BAT

SEX: FEMALE		WEEK: 105							
OBSERVATION	0 MG/KG		2 MG/KG		6 MG/KG		18 MG/KG		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
Abnormal Breathing	0 / 0	1 / 50 DAY 645	0 / 0	2 / 50 DAY 561	0 / 0	1 / 50 DAY 645	0 / 0	0 / 50	
Excitability	0 / 0	0 / 50	0 / 0	0 / 50	0 / 0	1 / 50 DAY 673	0 / 0	0 / 50	
Eye Abnormality	0 / 0	2 / 50 DAY 589	0 / 0	5 / 50 DAY 253	0 / 0	3 / 50 DAY 169	0 / 0	9 / 50 DAY 85	
Head Tilt	0 / 0	1 / 50 DAY 617	0 / 0	1 / 50 DAY 281	0 / 0	1 / 50 DAY 617	0 / 0	2 / 50 DAY 589	
Irritation Site Of Application	0 / 0	2 / 50 DAY 225	0 / 0	6 / 50 DAY 225	0 / 0	50 / 50 DAY 197	0 / 0	49 / 50 DAY 197	
Lethargic	0 / 0	1 / 50 DAY 617	0 / 0	2 / 50 DAY 561	0 / 0	2 / 50 DAY 617	0 / 0	0 / 50	
Mass Head	0 / 0	0 / 50	0 / 0	1 / 50 DAY 589	0 / 0	1 / 50 DAY 421	0 / 0	2 / 50 DAY 505	
Mass Torso/Ventral	0 / 0	18 / 50 DAY 477	0 / 0	17 / 50 DAY 337	0 / 0	9 / 50 DAY 421	0 / 0	14 / 50 DAY 505	

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)  
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY  
 ROW 2 = DAY OF ONSET

TDMS No. 97003 - 07  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
 1,2-DIBROMO-2,4-DICYANOBUTANE  
 CAS Number: 35691-65-7

Date Report Requested: 04/18/2007  
 Time Report Requested: 11:01:27  
 First Dose M/F: 07/10/02 / 07/11/02  
 Lab: BAT

OBSERVATION	0 MG/KG		2 MG/KG		6 MG/KG		18 MG/KG	
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL
	<b>SEX:</b> FEMALE	<b>WEEK:</b> 105						
<b>Mass</b> Torso/Lateral	0 / 0	0/50	0 / 0	2 / 50 DAY 561	0 / 0	0/50	0 / 0	2 / 50 DAY 645
<b>Mass</b> Appendage	0 / 0	0/50	0 / 0	1 / 50 DAY 561	0 / 0	1 / 50 DAY 589	0 / 0	1 / 50 DAY 589
<b>Mass</b> Torso/Dorsal	0 / 0	0/50	0 / 0	1 / 50 DAY 589	0 / 0	0/50	0 / 0	0/50
<b>Nasal/Eye Discharge</b>	0 / 0	15 / 50 DAY 225	0 / 0	18 / 50 DAY 197	0 / 0	11 / 50 DAY 85	0 / 0	21 / 50 DAY 393
<b>Ruffled Fur</b>	0 / 0	2 / 50 DAY 617	0 / 0	3 / 50 DAY 449	0 / 0	1 / 50 DAY 645	0 / 0	1 / 50 DAY 505
<b>Thin</b>	0 / 0	7 / 50 DAY 561	0 / 0	4 / 50 DAY 449	0 / 0	10 / 50 DAY 85	0 / 0	5 / 50 DAY 449
<b>Ulcer</b> Site Of Application	0 / 0	1 / 50 DAY 533	0 / 0	6 / 50 DAY 421	0 / 0	0/50	0 / 0	5 / 50 DAY 29
<b>Ulcer/Abscess</b> Head	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	2 / 50 DAY 505

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)  
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY  
 ROW 2 = DAY OF ONSET

TDMS No. 97003 - 07  
 Test Type: CHRONIC  
 Route: SKIN APPLICATION  
 Species/Strain: RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
 1,2-DIBROMO-2,4-DICYANOBUTANE  
 CAS Number: 35691-65-7

Date Report Requested: 04/18/2007  
 Time Report Requested: 11:01:27  
 First Dose M/F: 07/10/02 / 07/11/02  
 Lab: BAT

SEX: FEMALE		WEEK: 105							
OBSERVATION	0 MG/KG		2 MG/KG		6 MG/KG		18 MG/KG		
	CURRENT*	TOTAL+	CURRENT	TOTAL	CURRENT	TOTAL	CURRENT	TOTAL	
Ulcer/Abscess Appendage	0 / 0	0/50	0 / 0	1 / 50 DAY 673	0 / 0	0/50	0 / 0	2 / 50 DAY 505	
Ulcer/Abscess Torso/Dorsal	0 / 0	0/50	0 / 0	4 / 50 DAY 533	0 / 0	0/50	0 / 0	2 / 50 DAY 505	
Ulcer/Abscess Torso/Lateral	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 533	
Ulcer/Abscess Torso/Ventral	0 / 0	0/50	0 / 0	0/50	0 / 0	0/50	0 / 0	1 / 50 DAY 533	

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 30 DAYS OF RUN DATE)  
 + ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY  
 ROW 2 = DAY OF ONSET



**TDMS No.** 97003 - 07  
**Test Type:** CHRONIC  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344

**E05: CLINICAL OBSERVATIONS SUMMARY**  
1,2-DIBROMO-2,4-DICYANOBTANE  
**CAS Number:** 35691-65-7

**Date Report Reqsted:** 04/18/2007  
**Time Report Reqsted:** 11:01:27  
**First Dose M/F:** 07/10/02 / 07/11/02  
**Lab:** BAT

---

**SEX:** FEMALE

**WEEK:** 105

---

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