

**Experiment Number:** 95003 - 03  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Methyl trans-styryl ketone  
**CAS Number:** 1896-62-4

**Date Report Requested:** 08/31/2016  
**Time Report Requested:** 09:09:36  
**First Dose M/F:** 12/10/01 / 12/11/01  
**Lab:** MBA

**NTP Study Number:** C95003  
**Lock Date:** 01/08/2003  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	
<b>FISCHER 344 RATS MALE</b>		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
	<b>VEHICLE CONTROL</b>										
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Vacuolization Cytoplasmic		1	1						1		<b>3 1.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cyst Epithelial Inclusion							X				<b>1</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3
VEHICLE CONTROL	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
ANIMAL ID										

\* TOTALS

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10		
Heart	+	+	+	+	+	+	+	+	+	+	10		
Cardiomyopathy					1							1	1.0
Artery, Inflammation, Focal, Chronic Active			1									1	1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10		
Parathyroid Gland	M	+	+	+	M	M	M	M	+	M	4		
Pituitary Gland	+	+	+	+	+	+	+	I	+	+	9		
Pars Distalis, Hyperplasia, Focal					1							1	1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10		

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10		

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Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	FISCHER 344 RATS MALE
	9	9	9	9	9	9	9	9	9	9	
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	VEHICLE CONTROL
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
<b>HEMATOPOIETIC SYSTEM</b>											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node Mediastinal, Hyperplasia, Lymphoid				+							1 1 2.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	10 2 1.0
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
Skin Site Of Application, Hyperkeratosis	+	+	+	+	+	+	+	+	+	+	10 1 1.0
<b>MUSCULOSKELETAL SYSTEM</b>											

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Lab: MBA

		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE		9	9	9	9	9	9	9	9	9	
VEHICLE CONTROL		3	3	3	3	3	3	3	3	3	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Bone		+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>											
Brain		+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>											
Lung		+	+	+	+	+	+	+	+	+	10
Bronchiole, Infiltration Cellular, Lymphocyte, Focal					1						1 1.0
Nose		+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Hyperplasia, Goblet Cell							1	1			2 1.0
Trachea		+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>											
Eye		+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	10
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	10
Nephropathy				1	1	1			1	1	5 1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	10

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Lab: MBA

<b>FISCHER 344 RATS MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
<b>22.0 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	0	
<b>* TOTALS</b>												

**ALIMENTARY SYSTEM**

Stomach, Glandular

+ + + + + + + + + +

10

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

Skin + + + + + + + + + +

10

Sebacous Gland, Site Of Application, Hypertrophy

1

1 1.0

Site Of Application, Hyperkeratosis

2

1

1

1

1

1

6 1.2

Site Of Application - Epidermis, Hyperplasia

1

1

1

3 1.0

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<b>FISCHER 344 RATS MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
<b>22.0 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	2		
	1	2	3	4	5	6	7	8	9	0		
<b>* TOTALS</b>												

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Respiratory Epithelium, Hyperplasia, Goblet Cell				1	2	2	1		1	1	<b>6 1.3</b>

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy	1		1	1		1	1			1	<b>6 1.0</b>

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FISCHER 344 RATS MALE 44.0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	2	2	3	3	
		1	2	3	4	5	6	7	8	9	0				* TOTALS

**ALIMENTARY SYSTEM**

Liver															+	1	
Hepatodiaphragmatic Nodule															2		1 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+					10	

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

Skin	+	+	+	+	+	+	+		+	+					9	
Sebaceous Gland, Site Of Application, Hypertrophy	1		1				1									3 1.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0			
<b>FISCHER 344 RATS MALE</b>	9	9	9	9	9	9	9	9	9	9			
<b>44.0 MG/KG</b>	3	3	3	3	3	3	3	3	3	3			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	2	2	2	2	2	2	2	2	2	3			
	1	2	3	4	5	6	7	8	9	0			
	<b>* TOTALS</b>												
Site Of Application, Hyperkeratosis	1	1	1	1	2		2		2				<b>7 1.4</b>
Site Of Application - Epidermis, Hyperplasia	1	1	1		1		1		1				<b>6 1.0</b>

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

Nose	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Respiratory Epithelium, Hyperplasia, Goblet Cell			1										<b>1 1.0</b>

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Nephropathy	1		1		1	1	1	1	1	1			<b>8 1.0</b>

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FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
87.5 MG/KG		9	9	9	9	9	9	9	9	9	
	ANIMAL ID	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

ALIMENTARY SYSTEM

Stomach, Glandular

+ + + + + + + + + +

10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	
Sebacous Gland, Site Of Application, Hypertrophy	1	1	1		2		1	1			
Site Of Application, Hyperkeratosis	2	2	2	2	2	1	2	2	1	1	
Site Of Application - Epidermis, Hyperplasia	2	1	2	2	2		1	1		1	

10

6 1.2

10 1.7

8 1.5

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<b>FISCHER 344 RATS MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>87.5 MG/KG</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Respiratory Epithelium, Hyperplasia, Goblet Cell		1	1	1	1	2	1				<b>6</b>	<b>1.2</b>

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Nephropathy		1	1	1		1	1		1	1	<b>8</b>	<b>1.0</b>

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FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
175 MG/KG		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	5	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

ALIMENTARY SYSTEM

Stomach, Glandular

+ + + + + + + + + +

10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	
Sebacous Gland, Site Of Application, Hypertrophy	2	1	2	2	2	1	2	2	2	2	
Site Of Application, Hyperkeratosis	2	1	2	2	2	2	2	2	2	2	
Site Of Application, Inflammation, Chronic Active	2							2		1	

10

1.8

1.9

1.7

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FISCHER 344 RATS MALE 175 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	5	
		1	2	3	4	5	6	7	8	9	0
		<b>* TOTALS</b>									
Site Of Application, Necrosis		2						2		2	
Site Of Application - Epidermis, Hyperplasia		2	2	2	2	2	2	2	3	2	3
											<b>3 2.0</b>
											<b>10 2.2</b>

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+		
Respiratory Epithelium, Hyperplasia, Goblet Cell			1	1					1	2		<b>10 4 1.3</b>

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+		
Nephropathy	2	1	1	1	1	1	1	1	1			<b>10 9 1.1</b>

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+ .. Tissue examined microscopically  
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1-4 .. Lesion qualified as:  
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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FISCHER 344 RATS MALE 350 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	
<b>* TOTALS</b>											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	1				1			1				3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Atrophy					1				1			2 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Tongue	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

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1-4 .. Lesion qualified as:

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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3			
350 MG/KG	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	5	5	5	5	5	5	5	5	5	6			
	1	2	3	4	5	6	7	8	9	0			* TOTALS
Blood Vessel	+	+	+	+	+	+	+	+	+	+			10
Heart	+	+	+	+	+	+	+	+	+	+			10
<b>ENDOCRINE SYSTEM</b>													
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+			10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+			10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+			10
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+			9
Pituitary Gland	+	+	I	+	+	+	+	+	+	+			9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+			10
Ectopic Thymus, Focal										1			1 1.0
<b>GENERAL BODY SYSTEM</b>													
NONE													
<b>GENITAL SYSTEM</b>													
Epididymis	+	+	+	+	+	+	+	+	+	+			10
Preputial Gland	+	+	+	+	+	+	+	+	+	+			10
Prostate	+	+	+	+	+	+	+	+	+	+			10

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+ .. Tissue examined microscopically  
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1-4 .. Lesion qualified as:  
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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

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Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS MALE	3	3	3	3	3	3	3	3	3	3	
350 MG/KG	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	

**\* TOTALS**

Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Testes	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	<b>0</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	<b>10</b>
		1		1							<b>2 1.0</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	M	M	M	M	M	M	M	M	M	M	<b>0</b>
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Sebacous Gland, Site Of Application, Hypertrophy		1	1	2	1	3	3	2			<b>7 1.9</b>
Site Of Application, Hyperkeratosis	1	3	3	2	1	2	3	2	2		<b>9 2.1</b>
Site Of Application, Inflammation, Chronic Active		3	3						3	1	<b>4 2.5</b>
Site Of Application, Necrosis			3						3	1	<b>3 2.3</b>
Site Of Application - Epidermis, Hyperplasia	2	4	1	2	2	3	2	2	3	2	<b>10 2.3</b>

**MUSCULOSKELETAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE		9	9	9	9	9	9	9	9	9	
350 MG/KG		3	3	3	3	3	3	3	3	3	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	6	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Bone		+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>											
Brain		+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>											
Lung		+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Hyperplasia, Goblet Cell		1		1	2	1	2	2	2	2	9 1.7
Trachea		+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>											
Eye		+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte										3	1 3.0
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	10
Nephropathy		1	2	1		1	1	2	2	1	9 1.4
Renal Tubule, Casts Granular					1		1		1		3 1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	10

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 + .. Tissue examined microscopically  
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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

---

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

---

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	
<b>FISCHER 344 RATS FEMALE</b>		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
	<b>VEHICLE CONTROL</b>	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0		
	6	6	6	6	6	6	6	6	7		
	1	2	3	4	5	6	7	8	9	0	
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hepatodiaphragmatic Nodule	2										<b>1 2.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

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First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
FISCHER 344 RATS FEMALE	3	3	3	3	3	3	3	3	3	3	
VEHICLE CONTROL	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	
											<b>* TOTALS</b>
Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>ENDOCRINE SYSTEM</b>											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	M	+	+	M	M	M	+	M	M	M	<b>3</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Ectopic Thymus			1								<b>1 1.0</b>
<b>GENERAL BODY SYSTEM</b>											
Tissue NOS							+				<b>1</b>
Abdominal, Fat, Necrosis, Focal							4				<b>1 4.0</b>
<b>GENITAL SYSTEM</b>											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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 + .. Tissue examined microscopically  
 X .. Lesion present  
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 M .. Missing tissue  
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

		0	0	0	0	0	0	0	0	0	
<b>FISCHER 344 RATS FEMALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>VEHICLE CONTROL</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

Dilatation	X										1
------------	---	--	--	--	--	--	--	--	--	--	---

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	1	1	1	1	9 1.0

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

**RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS FEMALE		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
VEHICLE CONTROL		0	0	0	0	0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Lung		+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>											
Eye		+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lipocyte			1								1 1.0
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	10
Mineralization				1							1 1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

<b>FISCHER 344 RATS FEMALE</b>		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0
		ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>22.0 MG/KG</b>			9	9	9	9	9	9	9	9	9	9	9	9	9
			3	3	3	3	3	3	3	3	3	3	3	3	3
			7	7	7	7	7	7	7	7	7	7	8	8	8
			1	2	3	4	5	6	7	8	9	0			
<b>* TOTALS</b>															

**ALIMENTARY SYSTEM**

Liver															+		1
Hepatodiaphragmatic Nodule															2		1 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex															+		1
----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	---

**GENERAL BODY SYSTEM**

Tissue NOS															+		1
Abdominal, Fat, Necrosis, Focal															3		1 3.0

**GENITAL SYSTEM**

Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+			10
Dilatation				X				X				X					3

**HEMATOPOIETIC SYSTEM**

Lymph Node															+		1
Mediastinal, Hyperplasia, Lymphoid															2		1 2.0

**INTEGUMENTARY SYSTEM**

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade		
+ .. Tissue examined microscopically	M .. Missing tissue	1-4 .. Lesion qualified as:
X .. Lesion present	A .. Autolysis precludes evaluation	1) Minimal 3) Moderate
I .. Insufficient tissue	BLANK .. Not examined microscopically	2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0
<b>22.0 MG/KG</b>	9	9	9	9	9	9	9	9	9	9
<b>ANIMAL ID</b>	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>										

Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Sebaceous Gland, Site Of Application, Hypertrophy							1				<b>1 1.0</b>
Site Of Application, Hyperkeratosis		1	1	1	1		1		1		<b>6 1.0</b>
Site Of Application - Epidermis, Hyperplasia		1					1		1		<b>3 1.0</b>

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Respiratory Epithelium, Hyperplasia, Goblet Cell		1	1	1	1		1	1	1	1	<b>8 1.0</b>

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy		1						1			<b>2 1.0</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FISCHER 344 RATS FEMALE	DAY ON TEST										* TOTALS
	0	0	0	0	0	0	0	0	0	0	
44.0 MG/KG	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	

ALIMENTARY SYSTEM

Liver											2		
Hepatodiaphragmatic Nodule					+	+	2	2				2	2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Uterus	+	+	+	+	+	+	+	+	+	+	10	
Dilatation	X		X				X	X	X	X	6	

HEMATOPOIETIC SYSTEM

Lymph Node											2		
Mediastinal, Hyperplasia, Lymphoid					+		+	2	2			2	2.0

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	10	
------	---	---	---	---	---	---	---	---	---	---	----	--

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3	3
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
<b>44.0 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
	8	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0	
<b>* TOTALS</b>											
Sebacous Gland, Site Of Application, Hypertrophy		1		1		1		1		1	
Site Of Application, Hyperkeratosis		1		1		1		1			
Site Of Application - Epidermis, Hyperplasia		1		1		1		1			

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Respiratory Epithelium, Hyperplasia, Goblet Cell	1		1		1		1				<b>3 1.0</b>

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy	1		1		1		1				<b>2 1.0</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
87.5 MG/KG	ANIMAL ID	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	
<b>* TOTALS</b>											

ALIMENTARY SYSTEM

Liver											1	
Hepatodiaphragmatic Nodule	+											1 1.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Ovary											1	
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Dilatation			X			X						2

HEMATOPOIETIC SYSTEM

Lymph Node											1	
Mediastinal, Hyperplasia, Lymphoid				+								1 2.0

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue  
X .. Lesion present A .. Autolysis precludes evaluation  
I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	FISCHER 344 RATS FEMALE
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	87.5 MG/KG
	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	
<b>* TOTALS</b>											

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	10
Sebacous Gland, Site Of Application, Hypertrophy		1		1	1	1	1	1		1	7 1.0
Site Of Application, Hyperkeratosis	2	2		2	3	2	1	2	1	2	9 1.9
Site Of Application, Inflammation, Chronic Active	1										1 1.0
Site Of Application - Epidermis, Hyperplasia	3	1		1	1	2		1		2	7 1.6

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Hyperplasia, Goblet Cell								1	1	1	3 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
<b>FISCHER 344 RATS FEMALE</b>		9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	
<b>87.5 MG/KG</b>		0	0	0	0	0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	
										<b>* TOTALS</b>	
Renal Tubule, Necrosis											<b>1 3.0</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3	3	3	3
175 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	0	1	0	0
	1	2	3	4	5	6	7	8	9	0				
													<b>* TOTALS</b>	

ALIMENTARY SYSTEM

Liver															+	1		
Hepatodiaphragmatic Nodule															2		1	2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10		

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland															+	1		
Cyst															1		1	1.0
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+		10		
Dilatation															X X X		3	

HEMATOPOIETIC SYSTEM

Lymph Node															+	2		
Mediastinal, Hyperplasia, Lymphoid															2		3	2.5

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

FISCHER 344 RATS FEMALE	DAY ON TEST										* TOTALS
	0	0	0	0	0	0	0	0	0	0	
175 MG/KG	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	

Thymus + 1

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	10		
Sebacous Gland, Site Of Application, Hypertrophy	1		2			2			1			4	1.5
Site Of Application, Hyperkeratosis	2		2	2	2	1	1		2	1		8	1.6
Site Of Application, Inflammation, Chronic Active		2	1	3	3			3	3			6	2.5
Site Of Application, Necrosis		2	2		3	1						4	2.0
Site Of Application, Ulcer								X				1	
Site Of Application - Epidermis, Degeneration				3				3				2	3.0
Site Of Application - Epidermis, Hyperplasia	1		3	4	3	2	1	3	2	1		9	2.2

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Nose	+	+	+	+	+	+	+	+	+	+	10		
Respiratory Epithelium, Hyperplasia, Goblet Cell	2	1	1	2	1			2	1			7	1.4

SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

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Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	FISCHER 344 RATS FEMALE
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	175 MG/KG
	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	----

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS FEMALE</b>		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		3	3	3	3	3	3	3	3	3	3
	<b>350 MG/KG</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	2	0
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hepatodiaphragmatic Nodule							2				<b>1 2.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

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+ .. Tissue examined microscopically  
X .. Lesion present  
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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked

Experiment Number: 95003 - 03

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 09:09:36

First Dose M/F: 12/10/01 / 12/11/01

Lab: MBA

		0	0	0	0	0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS FEMALE		9	9	9	9	9	9	9	9	9	
350 MG/KG		3	3	3	3	3	3	3	3	3	
ANIMAL ID		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	0

\* TOTALS

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy						1					1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	I	+	+	+	+	+	+	9
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	M	+	M	M	+	+	M	+	+	+	6
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Dilatation	X			X		X	X	X	X		6

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FISCHER 344 RATS FEMALE	DAY ON TEST										* TOTALS
	0	0	0	0	0	0	0	0	0	0	
350 MG/KG	ANIMAL ID										* TOTALS
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node	+			+				+			3	
Mediastinal, Congestion				2								1 2.0
Mediastinal, Hyperplasia, Lymphoid	2			3				2				3 2.3
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Congestion							2					1 2.0
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	1	1	1	1	1	1	1		1	1		9 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Sebaceous Gland, Site Of Application, Hypertrophy	1	1	2	2	2	2	2		1		8 1.6	
Site Of Application, Hyperkeratosis	2	2	2	2	3	2	2	2	1		9 2.0	
Site Of Application, Inflammation, Chronic Active			2	3		3		3		4 2.8		
Site Of Application, Necrosis			1		2					2 1.5		
Site Of Application, Ulcer								X		1		
Site Of Application - Epidermis, Degeneration					1					1 1.0		

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	9	9	9	9	9	9	9	9	9	9			
<b>FISCHER 344 RATS FEMALE</b>	3	3	3	3	3	3	3	3	3	3	0	0	0
<b>350 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2	1	1	2
	1	2	3	4	5	6	7	8	9	0			
	<b>* TOTALS</b>												
Site Of Application - Epidermis, Hyperplasia	1	3	3	2	3	2	2	3	2	1			<b>10 2.2</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+			<b>10</b>
------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+			<b>10</b>
-------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Hemorrhage, Focal					1							<b>1</b>	<b>1.0</b>

Nose	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Respiratory Epithelium, Hyperplasia, Goblet Cell	2	1					1	1		1		<b>5</b>	<b>1.2</b>

Trachea	+	+	+	+	+	+	+	+	+	+			<b>10</b>
---------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+			<b>10</b>
-----	---	---	---	---	---	---	---	---	---	---	--	--	-----------

Harderian Gland	+	+	+	+	+	+	+	+	+	+			<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+			<b>10</b>
--------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

Urinary Bladder	+	+	+	+	+	+	+	+	+	+			<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	--	--	-----------

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