

**Experiment Number:** 95003 - 04  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

**Date Report Requested:** 08/31/2016

**Time Report Requested:** 14:51:25

**First Dose M/F:** 12/13/01 / 12/14/01

**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

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 1

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-1

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

**MISSING**

- \* Mammary Gland

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 2

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-2

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                   |
| * Bone Marrow              | * Brain                   | * Epididymis                | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

**MISSING**

- \* Mammary Gland

**INSUFFICIENT TISSUE**

- \* Gallbladder

**OBSERVATIONS**

- |          |                                  |         |
|----------|----------------------------------|---------|
| * Spleen | Hematopoietic Cell Proliferation | Minimal |
|----------|----------------------------------|---------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 3

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-3

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |          |                                  |         |
|----------|----------------------------------|---------|
| * Spleen | Hematopoietic Cell Proliferation | Minimal |
|----------|----------------------------------|---------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

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**ANIMAL ID:** 4

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-4

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          |                           |                             |
- 

**MISSING**

- \* Mammary Gland
-

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB462M-5

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mesenteric
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland
- \* Trachea

OBSERVATIONS

- \* Spleen
- Hematopoietic Cell Proliferation
- Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 6

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-6

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

**MISSING**

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 7

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-7

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                   |
| * Bone Marrow              | * Brain                   | * Epididymis                | * Esophagus              |
| * Eye                      | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Preputial Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     |
| * Testes                   | * Thymus                  | * Thyroid Gland             | * Tongue                 |
| * Trachea                  | * Urinary Bladder         |                             |                          |

**MISSING**

- |               |                 |                   |
|---------------|-----------------|-------------------|
| * Gallbladder | * Mammary Gland | * Pituitary Gland |
|---------------|-----------------|-------------------|

**OBSERVATIONS**

- |          |                                  |         |
|----------|----------------------------------|---------|
| * Spleen | Hematopoietic Cell Proliferation | Minimal |
|----------|----------------------------------|---------|



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 8

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-8

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |          |                                  |         |
|----------|----------------------------------|---------|
| * Spleen | Hematopoietic Cell Proliferation | Minimal |
|----------|----------------------------------|---------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 9

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-9

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Tongue                   | * Trachea                 | * Urinary Bladder           |

**MISSING**

- \* Mammary Gland

**INSUFFICIENT TISSUE**

- \* Pituitary Gland

**OBSERVATIONS**

- |                 |                |         |
|-----------------|----------------|---------|
| * Thyroid Gland | Ectopic Thymus | Minimal |
|-----------------|----------------|---------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB462M-10

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Urinary Bladder           |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Trachea

OBSERVATIONS

- \* Eye  
Note: no optic nerves in sections
- \* Spleen

Hematopoietic Cell Proliferation

Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

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**ANIMAL ID:** 11

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-11

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Mild

SOA Epidermis

Hyperplasia

Moderate

Hair Follicle, SOA

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

SOA

Ulcer

---

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 12

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 87.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-12

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Minimal

Hair Follicle, SOA

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

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**ANIMAL ID:** 13

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-13

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 14

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-14

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 15

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-15

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

Hair Follicle, SOA

Hyperplasia

Mild

SOA Epidermis

Hyperplasia

Mild

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild



Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 16

TRT#: 2

SEX: Male

DAY ON TEST: 92

DOSE: 87.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-16

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

Hair Follicle, SOA

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Minimal

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 17

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-17

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 18

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-18

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Mild

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 19

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-19

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 20

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-20

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 21

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-21

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hypertrophy

Mild

SOA

Inflammation

Chronic Active, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 22

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-22

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Minimal

Hair Follicle, SOA

Hyperplasia

Moderate

SOA, Sebaceous GI

Hypertrophy

Moderate

SOA

Inflammation

Chronic Active, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 23

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-23

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

---



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 24

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-24

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

Hair Follicle, SOA

Hyperplasia

Moderate

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Moderate

SOA

Inflammation

Chronic Active, Mild

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 25

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-25

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 26

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Accidentally Killed

**HISTO:** MB462M-26

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

Hair Follicle, SOA  
SOA, Sebaceous GI  
SOA

Hyperplasia  
Hypertrophy  
Inflammation

Minimal  
Mild  
Chronic Active, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 27

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-27

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Mild

SOA

Inflammation

Chronic Active, Moderate

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 28

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-28

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Mild

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 29

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-29

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Mild

SOA

Inflammation

Chronic Active, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 30

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-30

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

Hair Follicle, SOA  
SOA, Sebaceous GI

Hyperplasia  
Hypertrophy

Minimal  
Mild

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 31

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-31

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Nose
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Eye
  - Note: no optic nerve in sections
- \* Skin
 

SOA	Hyperkeratosis	Minimal
SOA Epidermis	Hyperplasia	Minimal
Hair Follicle, SOA	Hyperplasia	Mild
SOA, Sebaceous GI	Hypertrophy	Moderate
SOA	Inflammation	Chronic Active, Minimal

Note: non-SOA skin is normal



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 32

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-32

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |          |                              |                                  |                         |
|----------|------------------------------|----------------------------------|-------------------------|
| * Nose   | Olfactory Epi                | Atrophy                          | Minimal                 |
| * Skin   | SOA Epidermis                | Hyperplasia                      | Minimal                 |
|          | Hair Follicle, SOA           | Hyperplasia                      | Mild                    |
|          | SOA, Sebaceous GI            | Hypertrophy                      | Moderate                |
|          | SOA                          | Inflammation                     | Chronic Active, Minimal |
|          | Note: non-SOA skin is normal |                                  |                         |
| * Spleen |                              | Hematopoietic Cell Proliferation | Minimal                 |
| * Thymus |                              | Atrophy                          | Minimal                 |

Note: increased tingible bodies

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 33

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-33

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                 |                    |                |                         |
|---------------------------------|--------------------|----------------|-------------------------|
| * Skin                          | SOA                | Hyperkeratosis | Minimal                 |
|                                 | Hair Follicle, SOA | Hyperplasia    | Moderate                |
|                                 | SOA Epidermis      | Hyperplasia    | Moderate                |
|                                 | SOA, Sebaceous GI  | Hypertrophy    | Moderate                |
|                                 | SOA                | Inflammation   | Chronic Active, Minimal |
| Note: non-SOA skin is normal    |                    |                |                         |
| * Thymus                        |                    | Atrophy        | Minimal                 |
| Note: increased tingible bodies |                    |                |                         |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 34

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-34

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                                 |                    |                                  |                         |
|---------------------------------|--------------------|----------------------------------|-------------------------|
| * Skin                          | SOA                | Hyperkeratosis                   | Minimal                 |
|                                 | Hair Follicle, SOA | Hyperplasia                      | Mild                    |
|                                 | SOA Epidermis      | Hyperplasia                      | Moderate                |
|                                 | SOA, Sebaceous GI  | Hypertrophy                      | Moderate                |
|                                 | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal    |                    |                                  |                         |
| * Spleen                        |                    | Hematopoietic Cell Proliferation | Minimal                 |
| * Thymus                        |                    | Atrophy                          | Minimal                 |
| Note: increased tingible bodies |                    |                                  |                         |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 35

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-35

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |   |                    |                                  |                         |
|---|--------------------|----------------------------------|-------------------------|
| * Skin  | SOA                | Hyperkeratosis                   | Minimal                 |
|   | Hair Follicle, SOA | Hyperplasia                      | Mild                    |
|   | SOA Epidermis      | Hyperplasia                      | Moderate                |
|   | SOA, Sebaceous GI  | Hypertrophy                      | Moderate                |
|   | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal<br>[ Hyperplasia TGLs = 1-11 ] |                    |                                  |                         |
| * Spleen  |                    | Hematopoietic Cell Proliferation | Minimal                 |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 36

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-36

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |        |                    |             |         |
|--------|--------------------|-------------|---------|
| * Nose | Olfactory Epi      | Atrophy     | Minimal |
| * Skin | Hair Follicle, SOA | Hyperplasia | Minimal |
|        | SOA, Sebaceous GI  | Hypertrophy | Minimal |

Note: non-SOA skin is normal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 37

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-37

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |        |                    |                |                         |
|--------|--------------------|----------------|-------------------------|
| * Skin | SOA                | Hyperkeratosis | Minimal                 |
|        | SOA Epidermis      | Hyperplasia    | Mild                    |
|        | Hair Follicle, SOA | Hyperplasia    | Mild                    |
|        | SOA, Sebaceous GI  | Hypertrophy    | Moderate                |
|        | SOA                | Inflammation   | Chronic Active, Minimal |

Note: non-SOA skin is normal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 38

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-38

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Nose
- Olfactory Epi
- Atrophy
- Minimal
- \* Skin
- SOA
- Hyperkeratosis
- Minimal
- SOA Epidermis
- Hyperplasia
- Moderate
- Hair Follicle, SOA
- Hyperplasia
- Moderate
- SOA, Sebaceous Gl
- Hypertrophy
- Moderate
- SOA
- Inflammation
- Chronic Active, Minimal
- Note: non-SOA skin is normal
- \* Spleen
- Hematopoietic Cell Proliferation
- Minimal
- \* Thymus
- Atrophy
- Minimal

Note: increased tingible bodies

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 39

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-39

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Tongue                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |        |                    |                |                         |
|--------|--------------------|----------------|-------------------------|
| * Skin | SOA                | Hyperkeratosis | Minimal                 |
|        | Hair Follicle, SOA | Hyperplasia    | Mild                    |
|        | SOA Epidermis      | Hyperplasia    | Moderate                |
|        | SOA, Sebaceous Gl  | Hypertrophy    | Moderate                |
|        | SOA                | Inflammation   | Chronic Active, Minimal |

Note: non-SOA skin is normal  
 [ Hyperplasia TGLs = 1-11 ]



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 40

TRT#: 4

SEX: Male

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-40

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |        |                    |                |                         |
|--------|--------------------|----------------|-------------------------|
| * Skin | SOA                | Hyperkeratosis | Minimal                 |
|        | Hair Follicle, SOA | Hyperplasia    | Moderate                |
|        | SOA Epidermis      | Hyperplasia    | Moderate                |
|        | SOA, Sebaceous GI  | Hypertrophy    | Moderate                |
|        | SOA                | Inflammation   | Chronic Active, Minimal |

Note: non-SOA skin is normal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-41

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Skin | SOA                | Hyperkeratosis | Mild                   |
|        | SOA Epidermis      | Hyperplasia    | Marked                 |
|        | Hair Follicle, SOA | Hyperplasia    | Minimal                |
|        | SOA, Sebaceous GI  | Hypertrophy    | Minimal                |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal  
[ Necrosis TGLs = 1-11 ]

- |          |  |                                  |         |
|----------|--|----------------------------------|---------|
| * Spleen |  | Hematopoietic Cell Proliferation | Minimal |
|----------|--|----------------------------------|---------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-42

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                              |                    |                                  |                        |
|------------------------------|--------------------|----------------------------------|------------------------|
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                |
| * Skin                       | SOA                | Hyperkeratosis                   | Mild                   |
|                              | Hair Follicle, SOA | Hyperplasia                      | Minimal                |
|                              | SOA Epidermis      | Hyperplasia                      | Marked                 |
|                              | SOA, Sebaceous Gl  | Hypertrophy                      | Minimal                |
|                              | SOA                | Inflammation                     | Chronic Active, Marked |
|                              | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal |                    |                                  |                        |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-43

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Nose | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin | SOA                | Hyperkeratosis | Mild                   |
|        | SOA Epidermis      | Hyperplasia    | Marked                 |
|        | Hair Follicle, SOA | Hyperplasia    | Minimal                |
|        | SOA, Sebaceous GI  | Hypertrophy    | Minimal                |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal  
[ Necrosis TGLs = 1-11 ]

- |          |  |                                  |         |
|----------|--|----------------------------------|---------|
| * Spleen |  | Hematopoietic Cell Proliferation | Minimal |
|----------|--|----------------------------------|---------|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-44

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- \* Eye
  - Note: no optic nerve in sections
- \* Nose
  - Olfactory Epi Atrophy Minimal
- \* Skin
  - SOA Hyperkeratosis Mild
  - SOA Epidermis Hyperplasia Marked
  - Hair Follicle, SOA Hyperplasia Minimal
  - SOA, Sebaceous GI Hypertrophy Mild
  - SOA Inflammation Chronic Active, Moderate
  - SOA Necrosis Mild
  - SOA Ulcer
- Note: non-SOA skin is normal  
[ Ulcer TGLs = 1-11 ]
- \* Spleen
  - Hematopoietic Cell Proliferation Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-45

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Eye
  - Note: no optic nerve in sections
- \* Nose
 

Olfactory Epi	Atrophy	Minimal
SOA	Hyperkeratosis	Mild
SOA Epidermis	Hyperplasia	Marked
Hair Follicle, SOA	Hyperplasia	Minimal
SOA, Sebaceous GI	Hypertrophy	Minimal
SOA	Inflammation	Chronic Active, Marked
SOA	Necrosis	Marked
- \* Skin
 

Note: non-SOA skin is normal		
[ Necrosis TGLs = 1-11 ]		
- \* Spleen
 

Hematopoietic Cell Proliferation	Minimal
----------------------------------	---------

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-46

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |  |                    |                                  |                        |
|--|--------------------|----------------------------------|------------------------|
| * Skin   | SOA                | Hyperkeratosis                   | Mild                   |
|  | SOA Epidermis      | Hyperplasia                      | Marked                 |
|  | Hair Follicle, SOA | Hyperplasia                      | Mild                   |
|  | SOA, Sebaceous GI  | Hypertrophy                      | Mild                   |
|  | SOA                | Inflammation                     | Chronic Active, Marked |
|  | SOA                | Necrosis                         | Moderate               |
| Note: non-SOA skin is normal<br>[ Necrosis TGLs = 1-11 ] |                    |                                  |                        |
| * Spleen   |                    | Hematopoietic Cell Proliferation | Minimal                |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-47

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |                    |                                  |                        |
|--|--------------------|----------------------------------|------------------------|
| * Nose   | Olfactory Epi      | Atrophy                          | Minimal                |
| * Skin   | SOA                | Hyperkeratosis                   | Mild                   |
|  | SOA Epidermis      | Hyperplasia                      | Marked                 |
|  | Hair Follicle, SOA | Hyperplasia                      | Mild                   |
|  | SOA, Sebaceous Gl  | Hypertrophy                      | Mild                   |
|  | SOA                | Inflammation                     | Chronic Active, Marked |
|  | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal<br>[ Necrosis TGLs = 1-11 ] |                    |                                  |                        |
| * Spleen   |                    | Hematopoietic Cell Proliferation | Minimal                |



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 48

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-48

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Nose | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin | SOA                | Hyperkeratosis | Mild                   |
|        | SOA Epidermis      | Hyperplasia    | Marked                 |
|        | Hair Follicle, SOA | Hyperplasia    | Mild                   |
|        | SOA, Sebaceous Gl  | Hypertrophy    | Mild                   |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal  
 [ Necrosis TGLs = 1-11 ]

- |          |  |                                  |         |
|----------|--|----------------------------------|---------|
| * Spleen |  | Hematopoietic Cell Proliferation | Minimal |
|----------|--|----------------------------------|---------|

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-49

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Nose | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin | SOA                | Hyperkeratosis | Mild                   |
|        | SOA Epidermis      | Hyperplasia    | Marked                 |
|        | Hair Follicle, SOA | Hyperplasia    | Mild                   |
|        | SOA, Sebaceous Gl  | Hypertrophy    | Mild                   |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal  
 [ Necrosis TGLs = 1-11 ]

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 21

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-50

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                              |                    |                                  |                        |
|------------------------------|--------------------|----------------------------------|------------------------|
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                |
| * Skin                       | SOA                | Hyperkeratosis                   | Mild                   |
|                              | SOA Epidermis      | Hyperplasia                      | Marked                 |
|                              | Hair Follicle, SOA | Hyperplasia                      | Mild                   |
|                              | SOA, Sebaceous Gl  | Hypertrophy                      | Mild                   |
|                              | SOA                | Inflammation                     | Chronic Active, Marked |
|                              | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal |                    |                                  |                        |
| [ Necrosis TGLs = 1-11 ]     |                    |                                  |                        |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04  
 Test Type: 90-DAY  
 Route: SKIN APPLICATION  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Methyl trans-styryl ketone  
 CAS Number: 1896-62-4

Date Report Requested: 08/31/2016  
 Time Report Requested: 14:51:25  
 First Dose M/F: 12/13/01 / 12/14/01  
 Lab: MBA

ANIMAL ID: 51

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-51

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

**MISSING**

- \* Mammary Gland

**INSUFFICIENT TISSUE**

- \* Pituitary Gland

**OBSERVATIONS**

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Nose | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin | SOA                | Hyperkeratosis | Mild                   |
|        | SOA Epidermis      | Hyperplasia    | Marked                 |
|        | Hair Follicle, SOA | Hyperplasia    | Moderate               |
|        | SOA, Sebaceous GI  | Hypertrophy    | Minimal                |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Ulcer          |                        |

Note: non-SOA skin is normal  
 [ Ulcer TGLs = TGL=1-11 ]

- |          |                                  |      |
|----------|----------------------------------|------|
| * Spleen | Hematopoietic Cell Proliferation | Mild |
|----------|----------------------------------|------|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 52

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-52

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder
- \* Tongue

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Nose
- Olfactory Epi
- Atrophy
- Mild
- \* Skin
- SOA
- Hyperkeratosis
- Mild
- SOA Epidermis
- Hyperplasia
- Marked
- Hair Follicle, SOA
- Hyperplasia
- Minimal
- SOA
- Inflammation
- Chronic Active, Marked
- SOA
- Ulcer

Note: non-SOA skin is normal  
[ Ulcer TGLs = TGL=1-11 ]

- \* Spleen
- Hematopoietic Cell Proliferation
- Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 53

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-53

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Parathyroid Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |        |                   |                |                        |
|--------|-------------------|----------------|------------------------|
| * Nose | Olfactory Epi     | Atrophy        | Minimal                |
| * Skin | SOA               | Hyperkeratosis | Mild                   |
|        | SOA Epidermis     | Hyperplasia    | Marked                 |
|        | SOA, Sebaceous GI | Hypertrophy    | Minimal                |
|        | SOA               | Inflammation   | Chronic Active, Marked |
|        | SOA               | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

- |          |                                  |      |
|----------|----------------------------------|------|
| * Spleen | Hematopoietic Cell Proliferation | Mild |
|----------|----------------------------------|------|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 54

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-54

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Pancreas
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Lung |                    | Hemorrhage     | Focal, Moderate        |
| * Nose | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin | SOA                | Hyperkeratosis | Mild                   |
|        | SOA Epidermis      | Hyperplasia    | Moderate               |
|        | Hair Follicle, SOA | Hyperplasia    | Minimal                |
|        | SOA, Sebaceous GI  | Hypertrophy    | Minimal                |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 55

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-55

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Tongue                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |          |                              |                                  |                        |
|----------|------------------------------|----------------------------------|------------------------|
| * Nose   | Olfactory Epi                | Atrophy                          | Mild                   |
| * Skin   | SOA                          | Hyperkeratosis                   | Mild                   |
|          | SOA Epidermis                | Hyperplasia                      | Marked                 |
|          | Hair Follicle, SOA           | Hyperplasia                      | Minimal                |
|          | SOA                          | Inflammation                     | Chronic Active, Marked |
|          | SOA                          | Necrosis                         | Marked                 |
|          | [ Necrosis TGLs = TGL=1-11 ] |                                  |                        |
| * Spleen |                              | Hematopoietic Cell Proliferation | Mild                   |



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 56

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-56

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Parathyroid Gland
- \* Salivary Glands
- \* Testes
- \* Trachea
- \* Blood Vessel
- \* Epididymis
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Thymus
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Preputial Gland
- \* Stomach, Forestomach
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Pancreas
- \* Prostate
- \* Stomach, Glandular
- \* Tongue

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Adrenal Cortex
- \* Nose
- Skeletal Muscle [ Necrosis TGLs = TGL=2-11 ]
- \* Skin
- \* Spleen
- Accessory Adrenal Cortical Nodule
- Atrophy
- Necrosis
- SOA
- SOA Epidermis
- Hair Follicle, SOA
- SOA, Sebaceous GI
- SOA
- SOA
- Hyperkeratosis
- Hyperplasia
- Hyperplasia
- Hypertrophy
- Inflammation
- Necrosis
- Hematopoietic Cell Proliferation
- Minimal
- Minimal
- Focal, Marked
- Minimal
- Marked
- Minimal
- Minimal
- Chronic Active, Marked
- Marked
- Minimal

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 57

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-57

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla        | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                  | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder            | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic     | * Kidney                  | * Liver                     |
| * Lung                   | * Lymph Node, Mandibular | * Lymph Node, Mesenteric  | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland        | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle        | * Spleen                  | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                 | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

AUTO PRECLUDES DIAG.

- \* Intestine Small, Jejunum

OBSERVATIONS

- |        |                    |                |                        |
|--------|--------------------|----------------|------------------------|
| * Nose | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin | SOA                | Hyperkeratosis | Minimal                |
|        | SOA Epidermis      | Hyperplasia    | Moderate               |
|        | Hair Follicle, SOA | Hyperplasia    | Minimal                |
|        | SOA, Sebaceous GI  | Hypertrophy    | Minimal                |
|        | SOA                | Inflammation   | Chronic Active, Marked |
|        | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 58

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-58

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Epididymis              | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Tongue                   | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |        |                    |                |                          |
|--------|--------------------|----------------|--------------------------|
| * Nose | Olfactory Epi      | Atrophy        | Mild                     |
| * Skin | SOA                | Hyperkeratosis | Minimal                  |
|        | SOA Epidermis      | Hyperplasia    | Marked                   |
|        | Hair Follicle, SOA | Hyperplasia    | Mild                     |
|        | SOA, Sebaceous Gl  | Hypertrophy    | Mild                     |
|        | SOA                | Inflammation   | Chronic Active, Moderate |
|        | SOA                | Ulcer          |                          |

Note: non-SOA skin is normal

[ Ulcer TGLs = TGL=1-11 ]

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Methyl trans-styryl ketone  
CAS Number: 1896-62-4

Date Report Requested: 08/31/2016  
Time Report Requested: 14:51:25  
First Dose M/F: 12/13/01 / 12/14/01  
Lab: MBA

ANIMAL ID: 59

TRT#: 6

SEX: Male

DAY ON TEST: 21

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-59

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Gallbladder	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Tongue	* Trachea
* Urinary Bladder			

MISSING

\* Mammary Gland

AUTO PRECLUDES DIAG.

\* Intestine Small, Ileum

OBSERVATIONS

* Nose	Olfactory Epi	Atrophy	Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA Epidermis	Hyperplasia	Marked
	Hair Follicle, SOA	Hyperplasia	Minimal
	SOA, Sebaceous Gl	Hypertrophy	Minimal
	SOA	Inflammation	Chronic Active, Marked
	SOA	Necrosis	Marked
	Note: non-SOA skin is normal [ Necrosis TGLs = TGL=1-11 ]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland		Ectopic Thymus	Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 60

TRT#: 6

SEX: Male

DAY ON TEST: 6

DOSE: 1400 MG/KG

DISP: Natural Death

HISTO: MB462M-60

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                   |                     |                          |
|--------------------------|-------------------|---------------------|--------------------------|
| * Adrenal Cortex         | * Adrenal Medulla | * Blood Vessel      | * Bone                   |
| * Bone Marrow            | * Brain           | * Epididymis        | * Esophagus              |
| * Eye                    | * Harderian Gland | * Heart             | * Intestine Large, Colon |
| * Islets, Pancreatic     | * Liver           | * Lung              | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas        | * Parathyroid Gland | * Pituitary Gland        |
| * Prostate               | * Salivary Glands | * Testes            | * Thyroid Gland          |
| * Tongue                 | * Trachea         |                     |                          |

**MISSING**

- \* Mammary Gland

**AUTO PRECLUDES DIAG.**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Gallbladder            | * Intestine Large, Cecum   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  | * Preputial Gland           |
| * Seminal Vesicle        | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thymus                 | * Urinary Bladder          |                           |                             |

**OBSERVATIONS**

- |        |                    |                |                      |
|--------|--------------------|----------------|----------------------|
| * Nose | Olfactory Epi      | Atrophy        | Mild                 |
| * Skin | SOA                | Hyperkeratosis | Mild                 |
|        | SOA Epidermis      | Hyperplasia    | Mild                 |
|        | Hair Follicle, SOA | Hyperplasia    | Minimal              |
|        | SOA, Sebaceous GI  | Hypertrophy    | Minimal              |
|        | SOA                | Inflammation   | Chronic Active, Mild |

Note: non-SOA skin is normal  
[ Inflammation TGLs = 1-11 ]

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 61

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-61

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Tongue                 |
| * Trachea                  |                           |                             |                          |

**MISSING**

- \* Urinary Bladder

**OBSERVATIONS**

- |                  |             |                                  |                 |
|------------------|-------------|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia                      | Focal, Minimal  |
| * Spleen         |             | Hematopoietic Cell Proliferation | Minimal         |
| * Uterus         | Endometrium | Hyperplasia                      | Cystic, Minimal |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 62

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB462M-62

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Ovary                    | * Pancreas                | * Salivary Glands           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Tongue                   | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Parathyroid Gland

INSUFFICIENT TISSUE

- |                 |                   |
|-----------------|-------------------|
| * Mammary Gland | * Pituitary Gland |
|-----------------|-------------------|

OBSERVATIONS

- |                  |             |                                  |                |
|------------------|-------------|----------------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia                      | Focal, Minimal |
| * Spleen         |             | Hematopoietic Cell Proliferation | Minimal        |
| * Uterus         | Endometrium | Hyperplasia                      | Cystic, Mild   |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 63

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB462M-63

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Blood Vessel              | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Tongue                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- \* Gallbladder

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                  |             |                                  |                 |
|------------------|-------------|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia                      | Focal, Minimal  |
| * Spleen         |             | Hematopoietic Cell Proliferation | Minimal         |
| * Thyroid Gland  |             | Ectopic Thymus                   | Minimal         |
| * Uterus         | Endometrium | Hyperplasia                      | Cystic, Minimal |

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 95003 - 04  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

**CAS Number:** 1896-62-4

**Date Report Requested:** 08/31/2016

**Time Report Requested:** 14:51:25

**First Dose M/F:** 12/13/01 / 12/14/01

**Lab:** MBA

**ANIMAL ID:** 64

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-64

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 65

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-65

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Tongue	* Trachea
* Urinary Bladder			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 66

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-66

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Tongue	* Trachea	* Urinary Bladder	

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 67

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB462M-67

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Tongue                 |
| * Trachea                  | * Urinary Bladder         |                             |                          |

OBSERVATIONS

- |                  |             |                                  |                 |
|------------------|-------------|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia                      | Focal, Minimal  |
| * Spleen         |             | Hematopoietic Cell Proliferation | Minimal         |
| * Uterus         | Endometrium | Hyperplasia                      | Cystic, Minimal |
|                  |             | Polyp Stromal                    |                 |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 68

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-68

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Blood Vessel              | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Spleen                 | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Tongue                   |
| * Trachea                 | * Urinary Bladder           |                          |                            |

**INSUFFICIENT TISSUE**

- \* Gallbladder

**OBSERVATIONS**

- |                  |             |             |                 |
|------------------|-------------|-------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Focal, Minimal  |
| * Uterus         | Endometrium | Hyperplasia | Cystic, Minimal |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 69

TRT#: 7

SEX: Female

DAY ON TEST: 92

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO: MB462M-69

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Tongue                    | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

- |                  |             |                |                       |
|------------------|-------------|----------------|-----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia    | Focal, Minimal        |
| * Lung           | Bronchiole  | Inflammation   | Acute, Focal, Minimal |
| * Thyroid Gland  |             | Ectopic Thymus | Minimal               |
| * Uterus         | Endometrium | Hyperplasia    | Cystic, Mild          |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 70

**TRT#:** 7

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** VEHICLE CONTROL

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-70

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Blood Vessel              | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Tongue                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

**INSUFFICIENT TISSUE**

- \* Gallbladder

**OBSERVATIONS**

- |                  |             |                                  |                 |
|------------------|-------------|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia                      | Focal, Minimal  |
| * Spleen         |             | Hematopoietic Cell Proliferation | Minimal         |
| * Uterus         | Endometrium | Hyperplasia                      | Cystic, Minimal |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 71

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-71

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 72

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 87.5 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-72

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Moderate

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 73

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-73

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 74

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-74

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**INSUFFICIENT TISSUE**

Uterus

---

**OBSERVATIONS**

Skin

SOA

Inflammation

Chronic Active, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 75

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-75

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 76

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-76

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 77

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-77

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

Hair Follicle, SOA

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 78

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-78

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 79

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-79

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Moderate

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 80

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 87.5 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-80

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

Hair Follicle, SOA

Hyperplasia

Minimal

SOA

Inflammation

Chronic Active, Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 81

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-81

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA

Hyperkeratosis

Minimal

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Mild

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

**Experiment Number:** 95003 - 04  
**Test Type:** 90-DAY  
**Route:** SKIN APPLICATION  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Methyl trans-styryl ketone  
**CAS Number:** 1896-62-4

**Date Report Requested:** 08/31/2016  
**Time Report Requested:** 14:51:25  
**First Dose M/F:** 12/13/01 / 12/14/01  
**Lab:** MBA

---

**ANIMAL ID:** 82

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-82

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA

Inflammation

Chronic Active, Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 83

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 175 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-83

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

Hair Follicle, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 84

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-84

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA, Sebaceous GI

Hypertrophy

Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 85

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-85

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

Hair Follicle, SOA

Hyperplasia

Mild

SOA, Sebaceous GI

Hypertrophy

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 86

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-86

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 87

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-87

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

Hair Follicle, SOA

Hyperplasia

Minimal

SOA, Sebaceous GI

Hypertrophy

Mild

SOA

Inflammation

Chronic Active, Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild



Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 88

TRT#: 9

SEX: Female

DAY ON TEST: 92

DOSE: 175 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-88

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Nose

Stomach, Glandular

**OBSERVATIONS**

Kidney

Infiltration Cellular

Minimal

Skin

SOA

Hyperkeratosis

Minimal

Hair Follicle, SOA

Hyperplasia

Minimal

SOA Epidermis

Hyperplasia

Mild

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

**ANIMAL ID:** 89

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-89

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

**OBSERVATIONS**

Skin

SOA, Sebaceous GI

Hypertrophy

Minimal

SOA

Inflammation

Chronic Active, Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

---

**ANIMAL ID:** 90

**TRT#:** 9

**SEX:** Female

**DAY ON TEST:** 92

**DOSE:** 175 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** MB462M-90

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Cortex

Kidney

Nose

Stomach, Glandular

---

**OBSERVATIONS**

Skin

SOA Epidermis

Hyperplasia

Mild

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 91

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-91

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Tongue                    | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

- |                              |                    |                                  |                         |
|------------------------------|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Skin                       | SOA                | Hyperkeratosis                   | Minimal                 |
|                              | SOA Epidermis      | Hyperplasia                      | Moderate                |
|                              | Hair Follicle, SOA | Hyperplasia                      | Moderate                |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Moderate                |
|                              | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                                  |                         |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                 |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 92

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-92

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

- |                              |                    |                                  |                         |
|------------------------------|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                 |
| * Skin                       | SOA                | Hyperkeratosis                   | Minimal                 |
|                              | SOA Epidermis      | Hyperplasia                      | Moderate                |
|                              | Hair Follicle, SOA | Hyperplasia                      | Moderate                |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Mild                    |
|                              | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                                  |                         |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Mild                    |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 93

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-93

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          |
| * Tongue                   | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                                  |                         |
|------------------------------|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Skin                       | SOA                | Hyperkeratosis                   | Minimal                 |
|                              | SOA Epidermis      | Hyperplasia                      | Moderate                |
|                              | Hair Follicle, SOA | Hyperplasia                      | Moderate                |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Moderate                |
|                              | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                                  |                         |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                 |
| * Thymus                     |                    | Atrophy                          | Focal, Mild             |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 94

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-94

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

- |                              |                    |                                  |                         |
|------------------------------|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                 |
| * Skin                       | SOA Epidermis      | Hyperplasia                      | Minimal                 |
|                              | Hair Follicle, SOA | Hyperplasia                      | Moderate                |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Mild                    |
|                              | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                                  |                         |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Mild                    |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 95

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-95

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Pituitary Gland         | * Salivary Glands           | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             | * Tongue                 |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                |                             |
|------------------------------|--------------------|----------------|-----------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia    | Focal, Minimal              |
| * Lung                       | Alveolus           | Inflammation   | Chronic Active, Focal, Mild |
| * Nose                       | Olfactory Epi      | Atrophy        | Minimal                     |
| * Skin                       | SOA                | Hyperkeratosis | Minimal                     |
|                              | Hair Follicle, SOA | Hyperplasia    | Minimal                     |
|                              | SOA Epidermis      | Hyperplasia    | Mild                        |
|                              | SOA, Sebaceous Gl  | Hypertrophy    | Moderate                    |
|                              | SOA                | Inflammation   | Chronic Active, Minimal     |
| Note: non-SOA skin is normal |                    |                |                             |
| * Thymus                     |                    | Atrophy        | Minimal                     |
| * Uterus                     | Endometrium        | Hyperplasia    | Cystic, Minimal             |



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 96

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-96

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                                  |                         |
|------------------------------|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Skin                       | SOA                | Hyperkeratosis                   | Minimal                 |
|                              | SOA Epidermis      | Hyperplasia                      | Mild                    |
|                              | Hair Follicle, SOA | Hyperplasia                      | Marked                  |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Moderate                |
|                              | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                                  |                         |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                 |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 97

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-97

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          |
| * Tongue                   | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                |                         |
|------------------------------|--------------------|----------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia    | Focal, Minimal          |
| * Nose                       | Olfactory Epi      | Atrophy        | Minimal                 |
| * Skin                       | SOA                | Hyperkeratosis | Minimal                 |
|                              | SOA Epidermis      | Hyperplasia    | Mild                    |
|                              | Hair Follicle, SOA | Hyperplasia    | Moderate                |
|                              | SOA, Sebaceous Gl  | Hypertrophy    | Moderate                |
|                              | SOA                | Inflammation   | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                |                         |
| * Thymus                     |                    | Atrophy        | Minimal                 |
| * Uterus                     | Endometrium        | Hyperplasia    | Cystic, Minimal         |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 98

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-98

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                                  |                         |
|------------------------------|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Skin                       | SOA                | Hyperkeratosis                   | Minimal                 |
|                              | SOA Epidermis      | Hyperplasia                      | Mild                    |
|                              | Hair Follicle, SOA | Hyperplasia                      | Moderate                |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Moderate                |
|                              | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                                  |                         |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                 |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 99

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-99

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Salivary Glands          | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Tongue                    | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                              |                    |                |                         |
|------------------------------|--------------------|----------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia    | Focal, Minimal          |
| * Skin                       | SOA                | Hyperkeratosis | Mild                    |
|                              | SOA Epidermis      | Hyperplasia    | Mild                    |
|                              | Hair Follicle, SOA | Hyperplasia    | Mild                    |
|                              | SOA, Sebaceous Gl  | Hypertrophy    | Moderate                |
|                              | SOA                | Inflammation   | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                |                         |
| * Uterus                     | Endometrium        | Hyperplasia    | Cystic, Minimal         |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 100

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 350 MG/KG

DISP: Terminal Sacrifice

HISTO: MB462M-100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Tongue                 |
| * Trachea                  | * Urinary Bladder         |                             |                          |

OBSERVATIONS

- |                              |                    |                |                         |
|------------------------------|--------------------|----------------|-------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia    | Focal, Minimal          |
| * Skin                       | SOA                | Hyperkeratosis | Mild                    |
|                              | SOA Epidermis      | Hyperplasia    | Mild                    |
|                              | Hair Follicle, SOA | Hyperplasia    | Mild                    |
|                              | SOA, Sebaceous GI  | Hypertrophy    | Moderate                |
|                              | SOA                | Inflammation   | Chronic Active, Minimal |
| Note: non-SOA skin is normal |                    |                |                         |
| * Uterus                     | Endometrium        | Hyperplasia    | Cystic, Minimal         |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 101

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Clitoral Gland
- \* Esophagus
- \* Eye
- \* Gallbladder
- \* Harderian Gland
- \* Heart
- \* Intestine Large, Cecum
- \* Intestine Large, Colon
- \* Intestine Large, Rectum
- \* Intestine Small, Duodenum
- \* Intestine Small, Ileum
- \* Intestine Small, Jejunum
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Lymph Node, Mandibular
- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thymus
- \* Thyroid Gland
- \* Tongue
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- \* Nose                      Olfactory Epi                      Atrophy                      Mild
- \* Skin                        SOA                                  Hyperkeratosis                Mild
- SOA Epidermis                    Hyperplasia                    Marked
- Hair Follicle, SOA                Hyperplasia                    Minimal
- SOA, Sebaceous Gl                Hypertrophy                    Minimal
- SOA                                  Inflammation                    Chronic Active, Marked
- SOA                                  Necrosis                         Marked
- [ Necrosis    TGLs = TGL=1-11 ]
- \* Uterus                      Endometrium                      Hyperplasia                    Cystic, Minimal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 102

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Tongue                   | * Trachea                 | * Urinary Bladder           | * Uterus                 |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                                  |                        |
|------------------------------|--------------------|----------------------------------|------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal         |
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                |
| * Skin                       | SOA                | Hyperkeratosis                   | Mild                   |
|                              | SOA Epidermis      | Hyperplasia                      | Marked                 |
|                              | Hair Follicle, SOA | Hyperplasia                      | Minimal                |
|                              | SOA, Sebaceous Gl  | Hypertrophy                      | Mild                   |
|                              | SOA                | Inflammation                     | Chronic Active, Marked |
|                              | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal |                    |                                  |                        |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 103

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Uterus
- \* Blood Vessel
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Tongue
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                  |                    |                |                        |
|------------------|--------------------|----------------|------------------------|
| * Adrenal Cortex | Subcapsular        | Hyperplasia    | Focal, Minimal         |
| * Nose           | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin           | SOA                | Hyperkeratosis | Mild                   |
|                  | SOA Epidermis      | Hyperplasia    | Marked                 |
|                  | Hair Follicle, SOA | Hyperplasia    | Minimal                |
|                  | SOA, Sebaceous Gl  | Hypertrophy    | Minimal                |
|                  | SOA                | Inflammation   | Chronic Active, Marked |
|                  | SOA                | Necrosis       | Moderate               |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 104

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Blood Vessel            | * Bone                      |
| * Bone Marrow            | * Brain                    | * Clitoral Gland          | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Liver                  | * Lung                     | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Salivary Glands           |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| * Tongue                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Lymph Node, Mandibular

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                              |                    |                                  |                        |
|------------------------------|--------------------|----------------------------------|------------------------|
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                |
| * Skin                       | SOA                | Hyperkeratosis                   | Mild                   |
|                              | SOA Epidermis      | Hyperplasia                      | Marked                 |
|                              | Hair Follicle, SOA | Hyperplasia                      | Mild                   |
|                              | SOA, Sebaceous GI  | Hypertrophy                      | Mild                   |
|                              | SOA                | Inflammation                     | Chronic Active, Marked |
|                              | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal |                    |                                  |                        |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 105

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Spleen
- \* Thyroid Gland
- \* Uterus
- \* Blood Vessel
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Forestomach
- \* Tongue
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Glandular
- \* Trachea
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Salivary Glands
- \* Thymus
- \* Urinary Bladder

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                  |                    |                |                        |
|------------------|--------------------|----------------|------------------------|
| * Adrenal Cortex | Subcapsular        | Hyperplasia    | Focal, Minimal         |
| * Nose           | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin           | SOA                | Hyperkeratosis | Mild                   |
|                  | SOA Epidermis      | Hyperplasia    | Marked                 |
|                  | Hair Follicle, SOA | Hyperplasia    | Mild                   |
|                  | SOA, Sebaceous Gl  | Hypertrophy    | Mild                   |
|                  | SOA                | Inflammation   | Chronic Active, Marked |
|                  | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 106

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Blood Vessel              | * Bone                   | * Bone Marrow              |
| * Brain                   | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Ovary                    |
| * Pancreas                | * Pituitary Gland           | * Salivary Glands        | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| * Tongue                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

- |                  |                     |
|------------------|---------------------|
| * Clitoral Gland | * Parathyroid Gland |
|------------------|---------------------|

OBSERVATIONS

- |                              |                    |                |                        |
|------------------------------|--------------------|----------------|------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia    | Focal, Minimal         |
| * Nose                       | Olfactory Epi      | Atrophy        | Minimal                |
| * Skin                       | SOA                | Hyperkeratosis | Mild                   |
|                              | SOA Epidermis      | Hyperplasia    | Marked                 |
|                              | Hair Follicle, SOA | Hyperplasia    | Minimal                |
|                              | SOA, Sebaceous Gl  | Hypertrophy    | Minimal                |
|                              | SOA                | Inflammation   | Chronic Active, Marked |
|                              | SOA                | Necrosis       | Marked                 |
| Note: non-SOA skin is normal |                    |                |                        |
| [ Necrosis TGLs = TGL=1-11 ] |                    |                |                        |
| * Uterus                     | Endometrium        | Hyperplasia    | Cystic, Minimal        |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 107

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

INSUFFICIENT TISSUE

- \* Parathyroid Gland

OBSERVATIONS

- |   |                    |                                  |                        |
|---|--------------------|----------------------------------|------------------------|
| * Adrenal Cortex  | Subcapsular        | Hyperplasia                      | Focal, Minimal         |
| * Skin  | SOA                | Hyperkeratosis                   | Mild                   |
|   | Hair Follicle, SOA | Hyperplasia                      | Mild                   |
|   | SOA Epidermis      | Hyperplasia                      | Marked                 |
|   | SOA, Sebaceous GI  | Hypertrophy                      | Minimal                |
|   | SOA                | Inflammation                     | Chronic Active, Marked |
|   | SOA                | Ulcer                            |                        |
| Note: non-SOA skin is normal<br>[ Ulcer TGLs = TGL=1-11 ] |                    |                                  |                        |
| * Spleen  |                    | Hematopoietic Cell Proliferation | Minimal                |
| * Uterus  | Endometrium        | Hyperplasia                      | Cystic, Minimal        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 108

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

- |   |                    |                                  |                          |
|---|--------------------|----------------------------------|--------------------------|
| * Adrenal Cortex  | Subcapsular        | Hyperplasia                      | Focal, Minimal           |
| * Nose  | Olfactory Epi      | Atrophy                          | Minimal                  |
| * Skin  | SOA                | Hyperkeratosis                   | Mild                     |
|   | SOA Epidermis      | Hyperplasia                      | Marked                   |
|   | Hair Follicle, SOA | Hyperplasia                      | Moderate                 |
|   | SOA, Sebaceous GI  | Hypertrophy                      | Mild                     |
|   | SOA                | Inflammation                     | Chronic Active, Moderate |
|   | SOA                | Necrosis                         | Minimal                  |
| Note: non-SOA skin is normal<br>[ Hyperplasia TGLs = TGL=1-11 ] |                    |                                  |                          |
| * Spleen  |                    | Hematopoietic Cell Proliferation | Minimal                  |
| * Uterus  | Endometrium        | Hyperplasia                      | Cystic, Minimal          |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 109

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Tongue                   | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                              |                    |                                  |                        |
|------------------------------|--------------------|----------------------------------|------------------------|
| * Adrenal Cortex             | Subcapsular        | Hyperplasia                      | Focal, Minimal         |
| * Nose                       | Olfactory Epi      | Atrophy                          | Minimal                |
| * Skin                       | SOA                | Hyperkeratosis                   | Mild                   |
|                              | SOA Epidermis      | Hyperplasia                      | Marked                 |
|                              | Hair Follicle, SOA | Hyperplasia                      | Mild                   |
|                              | SOA, Sebaceous Gl  | Hypertrophy                      | Mild                   |
|                              | SOA                | Inflammation                     | Chronic Active, Marked |
|                              | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal |                    |                                  |                        |
| [ Necrosis TGLs = TGL=1-11 ] |                    |                                  |                        |
| * Spleen                     |                    | Hematopoietic Cell Proliferation | Minimal                |
| * Uterus                     | Endometrium        | Hyperplasia                      | Cystic, Minimal        |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 110

TRT#: 11

SEX: Female

DAY ON TEST: 20

DOSE: 700 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

- |   |                    |                                  |                          |
|---|--------------------|----------------------------------|--------------------------|
| * Adrenal Cortex  | Subcapsular        | Hyperplasia                      | Focal, Minimal           |
| * Nose  | Olfactory Epi      | Atrophy                          | Minimal                  |
| * Skin  | SOA                | Hyperkeratosis                   | Mild                     |
|   | SOA Epidermis      | Hyperplasia                      | Marked                   |
|   | Hair Follicle, SOA | Hyperplasia                      | Moderate                 |
|   | SOA, Sebaceous GI  | Hypertrophy                      | Mild                     |
|   | SOA                | Inflammation                     | Chronic Active, Moderate |
|   | SOA                | Necrosis                         | Mild                     |
| Note: non-SOA skin is normal<br>[ Hyperplasia TGLs = TGL=1-11 ] |                    |                                  |                          |
| * Spleen  |                    | Hematopoietic Cell Proliferation | Minimal                  |
| * Uterus  | Endometrium        | Hyperplasia                      | Cystic, Minimal          |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Salivary Glands          | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Tongue                    | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

INSUFFICIENT TISSUE

- \* Pituitary Gland

OBSERVATIONS

- |                  |                   |                |                        |
|------------------|-------------------|----------------|------------------------|
| * Adrenal Cortex | Subcapsular       | Hyperplasia    | Focal, Minimal         |
| * Skin           | SOA               | Hyperkeratosis | Minimal                |
|                  | SOA Epidermis     | Hyperplasia    | Marked                 |
|                  | SOA, Sebaceous Gl | Hypertrophy    | Mild                   |
|                  | SOA               | Inflammation   | Chronic Active, Marked |
|                  | SOA               | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]



Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                   |
| * Bone Marrow              | * Brain                   | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Pituitary Gland           | * Salivary Glands        |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          |
| * Tongue                   | * Trachea                 | * Urinary Bladder           | * Uterus                 |

MISSING

- |                  |                     |
|------------------|---------------------|
| * Clitoral Gland | * Parathyroid Gland |
|------------------|---------------------|

OBSERVATIONS

- |                                  |                                 |                                  |                         |
|----------------------------------|---------------------------------|----------------------------------|-------------------------|
| * Eye                            |                                 |                                  |                         |
| Note: no optic nerve in sections |                                 |                                  |                         |
| * Nose                           | Olfactory Epi                   | Atrophy                          | Minimal                 |
| * Skin                           | SOA                             | Hyperkeratosis                   | Mild                    |
|                                  | Hair Follicle, SOA              | Hyperplasia                      | Moderate                |
|                                  | SOA Epidermis                   | Hyperplasia                      | Moderate                |
|                                  | SOA, Sebaceous Gl               | Hypertrophy                      | Mild                    |
|                                  | SOA                             | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal     |                                 |                                  |                         |
|                                  | [ Hyperplasia TGLs = TGL=1-11 ] |                                  |                         |
| * Spleen                         |                                 | Hematopoietic Cell Proliferation | Minimal                 |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Blood Vessel              | * Bone                   | * Bone Marrow              |
| * Brain                   | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Pituitary Gland           | * Salivary Glands        | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Tongue                   |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

- |                  |                          |                     |
|------------------|--------------------------|---------------------|
| * Clitoral Gland | * Lymph Node, Mesenteric | * Parathyroid Gland |
|------------------|--------------------------|---------------------|

OBSERVATIONS

- |   |                    |                                  |                         |
|---|--------------------|----------------------------------|-------------------------|
| * Adrenal Cortex  | Subcapsular        | Hyperplasia                      | Focal, Minimal          |
| * Skin  | SOA                | Hyperkeratosis                   | Mild                    |
|   | SOA Epidermis      | Hyperplasia                      | Moderate                |
|   | Hair Follicle, SOA | Hyperplasia                      | Moderate                |
|   | SOA, Sebaceous GI  | Hypertrophy                      | Mild                    |
|   | SOA                | Inflammation                     | Chronic Active, Minimal |
| Note: non-SOA skin is normal<br>[ Hyperplasia TGLs = TGL=1-11 ] |                    |                                  |                         |
| * Spleen  |                    | Hematopoietic Cell Proliferation | Minimal                 |
| * Uterus  | Endometrium        | Hyperplasia                      | Cystic, Minimal         |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Nose                     | * Ovary                   | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Tongue                 |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |                  |                    |                |                        |
|------------------|--------------------|----------------|------------------------|
| * Adrenal Cortex | Subcapsular        | Hyperplasia    | Focal, Minimal         |
| * Skin           | SOA                | Hyperkeratosis | Mild                   |
|                  | SOA Epidermis      | Hyperplasia    | Marked                 |
|                  | Hair Follicle, SOA | Hyperplasia    | Mild                   |
|                  | SOA, Sebaceous GI  | Hypertrophy    | Mild                   |
|                  | SOA                | Inflammation   | Chronic Active, Marked |
|                  | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 5

DOSE: 1400 MG/KG

DISP: Natural Death

HISTO: MB462M-115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Esophagus
- \* Kidney
- \* Pancreas
- \* Trachea
- \* Adrenal Medulla
- \* Eye
- \* Liver
- \* Pituitary Gland
- \* Blood Vessel
- \* Heart
- \* Lung
- \* Salivary Glands
- \* Bone
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Tongue

MISSING

- \* Lymph Node, Mesenteric
- \* Parathyroid Gland

AUTO PRECLUDES DIAG.

- \* Bone Marrow
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Ovary
- \* Thymus
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Spleen
- \* Urinary Bladder
- \* Clitoral Gland
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Stomach, Forestomach
- \* Uterus
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Stomach, Glandular

INSUFFICIENT TISSUE

- \* Thyroid Gland

OBSERVATIONS

- |        |               |                |                         |
|--------|---------------|----------------|-------------------------|
| * Nose | Olfactory Epi | Degeneration   | Focal, Mild             |
| * Skin | SOA           | Hyperkeratosis | Minimal                 |
|        | SOA Epidermis | Hyperplasia    | Minimal                 |
|        | SOA           | Inflammation   | Chronic Active, Minimal |

Note: non-SOA skin is normal

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | * Bone                     |
| * Bone Marrow             | * Brain                     | * Esophagus              | * Eye                      |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          | * Ovary                    |
| * Pancreas                | * Pituitary Gland           | * Salivary Glands        | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | * Tongue                   |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                  |               |                     |           |
|------------------|---------------|---------------------|-----------|
| * Clitoral Gland | * Gallbladder | * Parathyroid Gland | * Trachea |
|------------------|---------------|---------------------|-----------|

OBSERVATIONS

- |  |                    |                                  |                        |
|--|--------------------|----------------------------------|------------------------|
| * Nose   | Olfactory Epi      | Atrophy                          | Mild                   |
| * Skin   | SOA                | Hyperkeratosis                   | Mild                   |
|  | SOA Epidermis      | Hyperplasia                      | Marked                 |
|  | Hair Follicle, SOA | Hyperplasia                      | Moderate               |
|  | SOA, Sebaceous GI  | Hypertrophy                      | Mild                   |
|  | SOA                | Inflammation                     | Chronic Active, Marked |
|  | SOA                | Necrosis                         | Marked                 |
| Note: non-SOA skin is normal<br>[ Necrosis TGLs = TGL=1-11 ] |                    |                                  |                        |
| * Spleen   |                    | Hematopoietic Cell Proliferation | Minimal                |
| * Uterus   | Endometrium        | Hyperplasia                      | Cystic, Minimal        |

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Blood Vessel
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Lymph Node, Mesenteric
- \* Salivary Glands
- \* Thymus
- \* Uterus
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Liver
- \* Mammary Gland
- \* Spleen
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lung
- \* Ovary
- \* Stomach, Forestomach
- \* Tongue

MISSING

- \* Gallbladder
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Trachea

OBSERVATIONS

- \* Adrenal Cortex
- \* Nose
- \* Skin
- Subcapsular
- Olfactory Epi
- SOA
- SOA Epidermis
- Hair Follicle, SOA
- SOA, Sebaceous Gl
- SOA
- SOA
- Hyperplasia
- Atrophy
- Hyperkeratosis
- Hyperplasia
- Hyperplasia
- Hypertrophy
- Inflammation
- Necrosis
- Focal, Minimal
- Minimal
- Mild
- Marked
- Moderate
- Mild
- Chronic Active, Marked
- Moderate

Note: non-SOA skin is normal

[ Hyperplasia TGLs = TGL=1-11 ]

Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lung                     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Tongue                    | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                  |                    |                |                        |
|------------------|--------------------|----------------|------------------------|
| * Adrenal Cortex | Subcapsular        | Hyperplasia    | Focal, Minimal         |
| * Nose           | Olfactory Epi      | Atrophy        | Mild                   |
| * Skin           | SOA                | Hyperkeratosis | Mild                   |
|                  | SOA Epidermis      | Hyperplasia    | Marked                 |
|                  | Hair Follicle, SOA | Hyperplasia    | Moderate               |
|                  | SOA, Sebaceous GI  | Hypertrophy    | Mild                   |
|                  | SOA                | Inflammation   | Chronic Active, Marked |
|                  | SOA                | Necrosis       | Marked                 |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

Experiment Number: 95003 - 04  
Test Type: 90-DAY  
Route: SKIN APPLICATION  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-119

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Medulla	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Thymus	* Tongue
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Parathyroid Gland

**AUTO PRECLUDES DIAG.**

* Clitoral Gland	* Intestine Small, Ileum	* Stomach, Forestomach	* Stomach, Glandular
------------------	--------------------------	------------------------	----------------------

**INSUFFICIENT TISSUE**

\* Thyroid Gland

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Focal, Minimal
* Nose	Olfactory Epi	Atrophy	Mild
* Skin	SOA	Hyperkeratosis	Mild
	SOA Epidermis	Hyperplasia	Marked
	Hair Follicle, SOA	Hyperplasia	Moderate
	SOA, Sebaceous GI	Hypertrophy	Mild
	SOA	Inflammation	Chronic Active, Moderate

Note: non-SOA skin is normal

[ Hyperplasia TGLs = TGL=1-11 ]

* Spleen		Hematopoietic Cell Proliferation	Minimal
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Experiment Number: 95003 - 04

Test Type: 90-DAY

Route: SKIN APPLICATION

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 14:51:25

First Dose M/F: 12/13/01 / 12/14/01

Lab: MBA

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 1400 MG/KG

DISP: Moribund Sacrifice

HISTO: MB462M-120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Blood Vessel            | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Liver                  |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Tongue                  | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

OBSERVATIONS

- |                  |                    |                |                                |
|------------------|--------------------|----------------|--------------------------------|
| * Adrenal Cortex | Subcapsular        | Hyperplasia    | Focal, Minimal                 |
| * Lung           | Alveolus           | Inflammation   | Chronic Active, Focal, Minimal |
| * Nose           | Olfactory Epi      | Atrophy        | Mild                           |
| * Skin           | SOA                | Hyperkeratosis | Mild                           |
|                  | SOA Epidermis      | Hyperplasia    | Marked                         |
|                  | Hair Follicle, SOA | Hyperplasia    | Moderate                       |
|                  | SOA, Sebaceous GI  | Hypertrophy    | Mild                           |
|                  | SOA                | Inflammation   | Chronic Active, Marked         |
|                  | SOA                | Necrosis       | Mild                           |

Note: non-SOA skin is normal

[ Necrosis TGLs = TGL=1-11 ]

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